Keep this Book
For Checking
Patterns.

No. 30.

Catalogue of Repairs

BAKER & HAMILTON

1895

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For Checking
Patterns

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= = No. 30 = =

BAKER & HAMILTON

CATALOGUE OF REPAIRS

- - FOR - -

AGRICULTURAL IMPLEMENTS

- - AND - -

MACHINES

1895

SAN FRANCISCO SACRAMENTO LOS ANGELES NEW YORK

MANUFACTORY: Benicia Agricultural Works, Benicia

PRESS OF COM'L PUB. CO., 34 CALIFORNIA ST., S. F.

Keep This Book For Checking Patterns

INDEX

Page.

Apparatus—
Cutting 263–276
Pitching 87

Axles—
Bain Wagon 89

Belts and Belting—
Elevator 187
Leather 91
Link 93–94
Rubber 91

Binders—
Adriance 218

Blocks—
Jacksons 179

Bolts—
Cultivator 35
Guard 275
Plow 34

Bottoms—
Gang Plow 29

Carriers—
Boyds Hay 87
Chapman Hay 87
Chaff Piler 187
Grain 186
Pacific Hay 87
Rundles Hay 87

Chain—
Feeder 93
Malleable 93–94

Cipher—
Instructions 5
Adriance Binder 218–219
Champion 236–239

Check Rower—
Barlow 67–68

Choppers
Draw Cut 77

Clevises—
Malleable 32–33

Cloth, Wire—
Sieve and Screen 184

Cold Chisels—
Mower 276

Colters—
Plow 30–31

Crushers—
Barley 76

Cultivators—
Benicia Chisel 37

Page.

Cultivators, Continued—
Benicia Riding 36
Daisy 37
Estee 39
Eureka Chisel 37
Farmer's Friend 37
Hopkins 278
Iron Age 39
McLeod 62
New Tiger 38
Planet Jr 41
Star 39

Cutters—
Baldwin Hay 82
Belle City Hay 83–86
Hide Roller 82
Weed 36

Derricks—
Jackson 182

Digger—
Eureka Potato 278

Discs—
Harrow 59

Drapers—
Header 185
Elevators 185
Duck for 187

Drills, Seed—
Emery 42
Monarch 51
New Triumph 42
Planet Jr 40–41
Triumph 52–53
Tubes and Points 53–35

Engines—
Pitts 128–143

Feeders—
Jackson 175–178

Finger Beams—
Header 162

Forks—
Chapman 88
Jackson 179

Governors—
Pitts Engine 142–143

Grain Carriers—
Pitts 186
Slats for 186

Hammers—
Riveting 277

Harvester—
Bean 39

Page.

Harrows—
Acme 61
Benicia 60
Climax 54–57
Elwood 60
Gale 60
Granger 60
Horse Shoe 62
Lion 277
McSherry 59
New Climax 58
Richards 59
Teeth for 61

Headers—
Baxter & Hills 144–150
Benicia 144–150
Case 158–161
Cummings 154–157
Haines Double Gear 152–153
" Single " 151–152
Sickles for 274
Tiger 154–157

Hoist—
Jackson 180–181

Horse Hoes—
Iron Age 39
Iron Arm 36
Jewell Wheel 42
Planet Jr 41

Instructions—
Buckeye Mowers 199
Champion 235
Eureka Gang 12
Headers 162
Shipping Cipher 5

Jacks—
Benicia ..... ~~18~~ 78
Farmers' Own 79

Keys & Cotters—
Spring 188

Mills, Cider—
B. & H 74
Buckeye 74
Hutchinson 74

Mills, Fanning—
Nash & Cutts 73
Racine 71

Mills, Grinding—
California 73
Rings for 75
Victor 72, 73, 75

Molds—
Cultivator 35
Reversible Gang 25

INDEX—Continued.

Page.

Mowers—
Adriance Buckeye, 199, 213, 264, 265
Akron Buckeye 272
Benicia 188–189
Champion 235-262, 266
Crown 266
Dayton 268
Deering 267
Empire 268
Knowlton 232–234, 270
McCormick 272
Osborne 273
Red, White and Blue 271
Tiger 190-198, 269
Triumph 270
Victor 273
Wheeler 273
Whiteley 271
Woods 274

Mowers, Lawn—
New Idea 103
Philadelphia 100–103
Tiger 104

Oil Cans—
Mowing Machine 276

Planters, Corn—
Barlow 63–68
Chautauqua 68
Farmer's Friend 68

Plates—
Guard 263–276
Grinding 75
Share and Mold 34

Plow Bottoms—
Gang Plows 29

Plows, Single—
Benicia 6
Breaking 7–8
Cast 9
Collins 8
Eureka 6
Firefly 41
Gale 11
Hendry 8
Listing 7
Plantation 7
Princess 11
Rice 8
Road 6, 8
Star 6
Subsoil 7
Tule 7
Vineyard 8

Plows, Side Hill—
Benicia 10
Cast 10

Page.

Plows, Side Hill, Continued—
Collins 10
Gale 9
Knapp 10
Princess 9
Rover 10

Plows, Sulky—
Big Injun 26–27
Eureka 12–20
Farmer's Friend 28
Gale 23
Gale Vineyard 28
Granger 24–25
Moline 28
Peerless 21–22
Reversible Mold 24–25
Rochester 28

Presses—
Cider 74
Benicia, Hay 96
Economy, Hay 96
Victor, Hay 96
Western Chief, Hay 97–99

Powers, Horse—
Belle City 79
Benicia 78
Culvers 79
Dairy Queen 78
Eagle 78
Eclipse 78
Economy 78
Eureka 78
Farmer's Own 79
Fast Motion 79
Gillis 81
Heebner 80
Pitts 164–173
Pony 78

Pump—
Field's Force 77

Punches—
Section 276

Rakes, Hay—
Favorite 124–125
Granger 114–117
Hay King 105
Hollingsworth 122–124
Holl. Tiger 118–121
Little Reuben 105
Teeth for 126–127
Tiger 106–114
Veteran 105

Reapers—
Adriance 214–215
Buckeye 216–217

Page

Rings—
Mill 75

Rivets—
Section, etc 275

Rope—
Wire 183

Seeders—
Cahoon, Power 46–47
Cahoon, Hand 47
Gem 43–45
Gorham 48–49
New Triumph 50

Separators—
Heebner 163
Pitts 164–173

Shellers—
Burrall 70
Diamond 69
Farmer's 70
Favorite 69
Tiffin 71

Sieves and Screens—
Wire, etc 184

Skeins, Wagon—
Bain 89

Sledges, Cast—
Picket 187

Springs—
Bolster 90

Stake Irons—
Wagon 90

Sticks—
Draper, etc 185–187

Teeth—
Cultivator 35, 61
Harrow 61
Rake 126–127
Thresher 173–174

Trucks—
Store 81

Wagons—
Bain 89–90
Benicia 90

Wheels—
Cultivator 49
Plow 34
Sprocket 94–95
Wheelbarrow 82

Wrenches—
Mower 276

THIS PRICE LIST RENDERS ALL PREVIOUS LISTS ISSUED BY US NULL AND VOID

Please destroy old lists and order from this, thus avoiding liability of confusion of numbers on our part, for which we will not be responsible, as we shall follow instructions as given by persons ordering.

We have made a special effort to put this catalogue in a form most suitable as a guide when ordering.

INSTRUCTIONS FOR ORDERING REPAIRS

Owing to the many improvements on our machines, it has become necessary to adopt some system by which dealers and consumers can order extras and be promptly supplied with the right pieces, saving them the annoyance of receiving the wrong parts.

1st. *Observe carefully the number or letter on the casting of which you want a duplicate and be sure to state that number or letter in your order, with the description following it in the list of repairs for that machine.*

2d. State plainly your postoffice address, also the station, county and state to which the goods are to be sent, and whether by express or freight and via what route.

3d. All orders for extra parts will be forwarded C. O. D., unless cash accompanies the order.

4th. In ordering repairs, be careful to use the same numbers and names as used in these lists and thus avoid mistakes.

5th. Never give us credit for being able to guess what is wanted, for we never attempt it; therefore vexatious delays will be avoided by being plain and specific.

6th. Always make out your order for EXTRAS ON A SEPARATE SHEET and not in the body of your letter, as when put in a general letter, the order may be overlooked.

7th. When ordering repairs by telegram, use the cipher wherever possible. When ordering by telephone, make sure your order is correctly sent and received. We cannot, however, be responsible for errors in the transmission of telephonic orders.

8th. A careful observance of these instructions will greatly facilitate matters and insure promptness and accuracy in filling orders, and in fact unless the necessary information is given us we cannot attempt to fill the order, but will have to return it for correction, causing great delay and annoyance in many cases.

9th. Prices are subject to change without notice.

10th. PREPAY EXPRESS CHARGES ON CASTINGS SENT US, AND PUT YOUR NAME ON TAG.

TELEGRAPHIC CIPHER

In order to save labor, avoid mistakes, and economize expenses in telegraphing, etc., we have adopted a Cipher System, by the use of which single words represent sentences.

The Cipher System can be used in writing as well as in telegraphing, condensing the correspondence, thereby economizing time. We urge our customers to use this system as far as practicable.

EXPLANATION

We frequently have parties right in the midst of harvest telegraph for repairs, without stating the name or kind of machine, or whether they desire the repairs sent by express or freight, etc., making it necessary for us to send messages similar to the following:

"Your order is not sufficiently explicit; please explain fully what is wanted. State kind of machine for which you want the parts, and width of cut. Do you wish the repairs sent by freight or by express, and to what point? Answer."

The same message in Cipher would be written as follows:

"MASTERLY, MASTODON, MALT."

USE OF THE CIPHER IN ORDERING REPAIRS

In the ordinary way of ordering repairs for Champion reaper, especially where parts are not numbered, a telegraphic order would be written as follows:

"Ship immediately, by express, one Malleable Iron Rake Hinge, with Malleable Roller, Eighteen Seventy-one to Eighteen Eighty-one; one Number Four, Forty-one Pitman Box, with Flange; one A Thirteen Hundred and Nine; one Pitman Rod with Box, Four Forty-one, Eighteen Seventy-four to Eighteen Seventy-seven; one Tongue, ironed complete, for Number Four Machine, Eighteen Seventy-two to Eighty-one."

The same telegram written in Cipher would be as follows:

"MANTILLA, ONE EASTER, ONE ELLA, ONE ELATE, ONE ENJOIN, ONE TONGUE IRONED COMPLETE, EMIGRANT CANNON."

CIPHER SHIPPING INSTRUCTIONS

Malt	Do you wish the repairs sent by freight or by express, and to what point?——Answer.
Mamma	Shall we ship the repairs ordered by you in car with machines?
Mammon	Shall we ship by freight or by express the repairs ordered by you?
Mammoth	Give us shipping instructions immediately.
Mandrel	Ship with machines the repairs ordered ——.
Maniac	Ship immediately by express to —— ——.
Manner	Ship by quickest freight route to ——.
Mantle	Ship immediately by freight.
Mantilla	Ship immediately by express.
Many	Will ship as soon as possible the repairs ordered by you.
Mare	If ordered immediately by telegraph we can send ——.
Margrave	Will send as directed by you as soon as we receive shipments from the factory now on the way.
Masculine	Cannot possibly fill your order for ——.
Masterly	Your order is not sufficiently explicit; please explain fully what is wanted.
Mastodon	State the kind of machine for which you want the parts and width of cut.
Maxim	When and how did you ship repairs ordered by (me or us) the ——.
Mayor	The repairs ordered by you were shipped by express on the ——.
Mazard	The repairs ordered by you were shipped by freight on the ——.
Measles	Repeat this telegram back to (me or us) that (we or I) may be sure you received it correctly.

BENICIA STUBBLE PLOWS

No. of Plow.	Shares.	Bar Landsides.	Landside Plates.	Molds.	Standards.	Wood Beams.	Steel Beams.	Handles Only per pair.
24 6 inch	$1 50	$1 00	$.....	$3 00	$2 00	$1 50	$6 00	$1 25
25 7 "	2 00	1 20	.....	3 25	2 00	1 50	6 00	1 25
26 8 "	2 25	1 25	.....	3 25	2 00	1 50	6 00	1 25
27 9 "	2 50	1 25	.....	3 25	1 00	1 50	6 00	1 50
28 10 "	3 00	1 50	.....	5 00	2 50	2 00	6 00	1 50
29 11 "	3 25	1 50	.....	5 50	2 50	2 00	6 50	1 50
30 12 "	3 50	1 50	.....	6 00	2 50	2 25	6 50	1 50
32 14 "	4 00	1 75	.....	6 50	2 75	2 25	6 50	1 50
34 16 "	4 50	1 75	.....	7 00	3 00	2 50	6 50	1 50
30C 12 "	4 00	1 50	.....	6 50	2 50	2 50	6 50	1 50
30SC 12 "	4 00	1 25	2 25	6 50	2 50	2 50	6 50	1 50
31SC 13 "	4 25	1 25	2 25	6 50	2 50	2 50	6 50	1 50
A28 10 "	3 00	1 25	2 00	5 00	2 50	2 00	6 50	1 50
A29 11 "	3 25	1 25	2 00	5 50	2 50	2 00	6 50	1 50
A30 12 "	3 50	1 25	2 25	6 00	2 50	2 25	6 50	1 50
A32 14 "	4 00	1 25	2 25	6 50	2 75	2 50	6 50	1 50
A34 16 "	4 50	1 25	2 50	7 00	3 00	2 50	6 50	1 50

Chilled Shares, Nos.	26	27	28	29	30
Price	$0 65	$0 70	$0 75	$0 85	$0 90

STAR STUBBLE PLOWS

No. of Plow.	Shares.	Bar Landside.	Landside Plates.	Molds	Standards.	Wood Beams.	Steel Beams.	Handles Only per pair.
3 6 inch.	$1 50	$1 00	$.....	$3 00	$2 00	$1 50	$6 00	$1 25
3½ 7 "	2 00	1 00	.....	3 25	2 00	1 50	6 00	1 25
4 8 "	2 25	1 25	.....	3 25	2 00	1 50	6 00	1 25
4½ 9 "	2 50	1 25	.....	3 25	2 00	1 50	6 00	1 50
5 10 "	3 00	1 50	.....	5 00	2 50	2 00	6 00	1 50
7½ 11 "	3 25	1 50	.....	5 50	2 50	2 00	6 50	1 50
7 12 "	3 50	1 50	.....	6 00	2 50	2 25	6 50	1 50
6 14 "	4 00	1 75	.....	6 50	2 75	2 25	6 50	1 50
C7 12 "	4 00	1 50	.....	6 50	2 50	2 50	6 50	1 50
SC1 12 "	4 00	1 25	2 25	6 50	2 50	2 50	6 50	1 50
C3 13 "	4 25	1 25	2 25	6 50	2 50	2 50	6 50	1 50

EUREKA STUBBLE PLOWS

No. of Plow.	Shares.	Landsides.	Molds.	Standards.	Wood Beams.	Steel Beams.	Handles Only per pair.
2 10 inch	$3 25	$3 00	$5 50	$2 50	$2 50	$6 00	$1 50
3 12 "	3 50	3 00	6 00	2 50	3 00	6 50	1 50
4 14 "	4 25	3 00	6 50	2 50	3 50	6 50	1 50

BENICIA ROAD PLOWS

Size of Plow.	Shares.	Molds.	Standards.	Wood Beams.	Handles Only per pair.
8 inch	$4 50	$5 50	$4 50	$6 50	$4 00
10 "	5 50	5 75	4 50	7 00	4 00
12 "	6 00	6 00	4 50	7 00	4 00
14 "	6 50	6 25	4 50	8 00	4 00
16 "	7 00	6 50	4 50	9 00	4 00

When ordering parts, give name, number and size of plow; also number stamped in underside of share.

BENICIA TULE PLOWS

No. of Plow.	Shares.	Landsides.	Molds.	Standards.	Wood Beams.	Steel Beams.	Handles: Only per Pair.
55 12 inch	$4 00	$3 00	$6 00	$2 75	$4 00	$6 50	$2 00
56 14 "	4 25	3 00	6 50	3 00	4 00	6 50	2 00

BENICIA GRUB BREAKING PLOWS

Size of Plow.	Shares.	Molds.	Colters.	Standards.	Wood Beams.	Handles Only per Pair.
10 inch	$6 00	$5 00	$3 00	$3 00	$4 00	$2 00
12 "	6 75	5 50	3 00	3 00	4 00	2 00
14 "	7 00	6 00	3 00	3 00	4 50	2 50
16 "	8 00	6 50	3 00	3 00	4 75	2 50
18 "	9 00	7 00	3 00	3 00	4 75	2 50

BENICIA EXTRA BREAKING PLOWS

Name of Plow.	Shares.	Landsides.	Molds.	Standards.	Wood Beams.	Handles Only per Pair.
Western Queen, 10 inch	$2 50	$2 50	$3 00	$3 00	$3 50	$2 00
" 12 "	3 00	3 00	4 00	3 00	3 50	2 00
" 14 "	3 75	3 25	4 50	3 00	3 50	2 25
" 16 "	4 00	3 50	5 00	3 00	4 00	2 50
" 18 "	4 50	4 00	5 75	3 00	4 25	2 50
" 20 "	5 50	4 50	6 25	3 50	4 75	2 75
" 22 "	6 50	5 00	7 00	4 00	5 50	2 75
" 24 "	8 00	5 00	8 00	4 00	6 00	3 00

BENICIA SUBSOIL PLOWS

Style of Plow.	Shares.	Standards.	Wood Beams.	Handles Only per Pair.
Solid Bottom	$5 00	$3 00	$2 50	$1 25
Loose "	3 50	3 00	2 50	1 25

BENICIA PLANTATION PLOWS

No. of Plow.	Shares.	Molds.	Standards.	Wood Beams.	Handles Only per Pair.
2 and 3	$6 50	$5 50	$4 50	$3 00	$1 50
4 " 5	6 50	6 00	4 50	3 00	1 50

BENICIA LISTING PLOWS

Size of Plow.	Shares.	Landsides.	Molds.	Standards.	Wood Beams.	Handles Only per Pair.
12 inch	$5 00	$3 00	$6 50	$4 50	$8 00	$2 50
14 "	5 50	3 00	6 50	4 50	8 00	2 50
16 "	6 00	3 25	6 75	4 75	8 50	2 75
18 "	6 50	3 25	7 00	5 00	8 75	2 75
20 "	7 00	3 50	7 25	5 00	9 00	3 00
22 "	7 50	3 75	7 50	5 00	9 50	3 00
24 "	8 50	4 00	8 00	5 00	10 00	3 00

When ordering parts give name, number and size of plow; also number stamped in underside of share.

BENICIA VINEYARD PLOWS

Name of Plow.	Shares.	Landsides.	Molds.	Standards.	Wood Beams.	Steel Beams.	Handles Only per pair.
Rose Vineyard	$2 50	$....	$3 50	$2 50	$2 25	$ ...	$1 25
Benicia "	3 00	1 25	3 25	2 25	2 25	....	1 25
60 8 inch	2 25	1 25	3 25	....	....	6 00	4 00
61 9 "	2 50	1 25	3 25	....	....	6 00	4 00
62 10 "	3 00	1 50	5 00	....	....	6 00	4 00
63 11 "	3 25	1 50	5 50	....	....	6 50	4 00
64 12 "	3 50	1 50	6 00	....	....	6 50	4 00

BENICIA HENDRY BREAKING PLOWS

Size of Plow.	Shares.	Landsides.	Molds.	Standards.	Wood Beams.	Handles Only per pair.
12 inch	$6 00	$3 00	$8 00	$7 00	$7 00	$5 00
14 "	6 25	3 00	8 00	7 00	7 00	5 00
16 "	6 50	3 00	8 00	7 00	7 00	5 00
18 "	7 25	3 50	8 50	7 00	8 00	5 00
20 "	8 00	4 00	9 00	7 00	10 00	5 00

BENICIA RICE PLOWS

No. of Plow.	Plain Shares.	Fincutter Shares.	Landside Plates.	Molds.	Wood Beams.	Handles Only per pair.
9	$1 20	$1 70	$0 65	$1 75	$2 25	$1 25
10	1 20	1 70	65	2 00	2 25	1 25
11	1 30	1 80	75	2 60	2 25	1 25
11½	1 30	1 80	85	2 75	2 25	1 50
12	1 50	2 00	90	3 25	2 25	1 50
12½	1 60	2 10	1 00	3 50	2 25	1 50
13	1 75	2 25	1 00	3 75	2 50	1 50
14	1 85	2 35	1 10	3 75	2 50	1 50
15	2 00	2 50	1 10	4 00	2 50	1 50
16	2 25	2 75	1 20	5 00	2 50	1 50

COLLINS STUBBLE PLOWS

No. of Plow.	Shares.	Landsides.	Molds.	Wood Beams.	Handles Only per pair.
C O	$3 50	$3 00	$5 50	$2 50	$1 50
C 2, 3 and 4	3 75	3 00	6 00	2 50	1 50
F 30, 32, 33 and 34	3 75	3 00	5 50	2 50	1 50
503 and 504	3 50	2 50	5 00	2 50	1 50

K AND J EASTERN ROAD PLOW

Shares, No. 13 ..... $2 50

When ordering parts, give number, name and size of plow; also number stamped in underside of share.

CAST PLOWS

Description.	Shares.	Landsides	Molds.	Beams.	Handles Per Pair.
No. 18	$0 35	$0 40	$1 70	$1 50	$1 25
" 18½	40	45	1 80	1 50	1 25
" 19	40	65	1 80	1 50	1 25
" 19½	50	70	2 00	2 50	1 50
" 20	60	80	3 10	2 50	1 50
" 21	65	85	3 50	2 50	1 50
" 22	75	1 25	3 50	2 75	1 75
" 1B	40	60	1 80	2 25	1 50
" 2B	55	85	3 00	2 25	1 50
" C2	40	80	3 00	2 50	1 50
" C3	55	80	3 25	2 50	1 50
" C4	60	85	3 75	2 50	1 50

Miscellaneous Repairs for Benicia Plows

	Price.
Index casting for Scotch Clipper Plows	$ 40
Dial casting No. 67 for Subsoil Plow	40
Dial " " 68 " " "	40
Dial " " 1 " Steel Beam Vineyard Plows	20
Dial " " 2 " " " "	40
Casting between handles on Subsoil Plow	50
" " " and landside on Stubble Plows	20
Wrought iron frog for Stubble and Breaking Plows	60
" " " Road Plows	3 00
Wrought clevis-holder for Steel Beam Vineyard Plow	60
Round and rod between plow handles; all sizes	50
Iron slide for Road Plow—under beam	75
Gauge iron for Road Plow slide	1 25

For Coulters, see Pages 30 and 31.

For Clevises, see Page 32.

For Plow Wheels, see Page 34.

For Fin Cutters, see Page 31.

GALE SIDE-HILL PLOW

No.		Price.
X 1,	Plain Share	$ 65
X 2,	Frog	75
X 3,	Landside, right	1 00
X 4,	" left	1 00
X 5,	Mold-board	4 50
X 6,	Standard	3 50
X 7,	Block casting, top of standard	50
X10,	Swinging Fork	90
X11,	Rear Standard and Handle Brace	75
X12,	Slide for X13 and X14	40
X13,	Right Beam Clamp	40
X14,	Left Beam Clamp	40

No.		Price
X15,	Bracket and Spindle for X18	$ 50
X16,	Spring Block	15
X17,	Spring Latch Holder	40
X18,	Hook for Mold-board	90
X19,	Beam Shifter	40
X21,	Jointer Shifter	40
X25,	Strap over beam	15
X28,	Clevis only	60
X30,	Clevis Hook	50
	Wrench	25
	Steel Beam	4 00
	Handles, per pair	1 50

PRINCESS SIDE-HILL PLOW

Plain Share, No. 40	$ 65
Steel Share	3 25
Landside	90
Mold-board	4 00
Standard	3 00
Mold-board Hook	60
Fork	$ 90
Beam	1 75
Handles, per pair	1 75
Clevis	1 50
Wrench	25

BENICIA SIDE HILL PLOWS

No. of Plow.	Shares.	Molds.	Standards.	Forks.	Frogs.	Beams.	Handles per pair.
No. 1. One horse	$2 75	$2 75	$2 50	$0 65	$0 75	$2 25	$1 50
" 2. Two "	3 25	3 25	3 00	75	75	2 50	1 75

KNAPP SIDE HILL PLOWS

No. of Plow.	Shares.	Molds.	Standards.	Forks.	Frogs.	Beam rest.	Beams.	Handles per pair.
No. 1. One horse	$2 75	$2 75	$2 75	$0 65	$0 75	$0 65	$1 75	$1 50
" 2. Two "	3 25	3 25	3 25	75	75	.....	2 25	1 75
" 3. Three "	4 00	4 00	4 00	1 00	1 00	.....	3 25	2 50

CAST SIDE HILL PLOWS

No. of Plow.	Shares.	Molds.	Standards.	Forks.	Frogs.	Beams.	Handles per pair.
No. 0	$0 25	1 00	1 00	40	.....	1 50	1 50
" 00	65	1 40	1 75	50	.....	1 50	1 50
" B1	70	2 20	2 15	60	.....	1 50	1 75
" SB1 Steel Mold	70	6 00	2 15	60	1 50	1 50	1 75
" A1	90	3 20	2 50	75	.....	1 50	1 75
" A1½	1 00	3 20	3 00	75	.....	1 75	1 75
" A2	1 10	3 50	3 25	1 00	.....	2 00	1 75
" A3	1 25	3 75	3 50	1 00	.....	2 00	1 75
" A4	1 35	4 20	4 00	1 00	.....	2 50	2 00

When ordering shares, state whether they take round head or square head bolts.

COLLINS SIDE HILL PLOW

No. of Plow.	Shares.	Molds.	Standards.	Forks.	Frogs.	Beams.	Handles per pair.
No. 3. Two horse	$4 50	$6 50	$3 00	$0 75	$1 25	$2 50	$1 50

ROVER SIDE HILL PLOWS

No. of Plow.	Shares.	Molds.	Standards.	Forks.	Frogs.	Beams.	Handles per pair.
No. 0	$3 00	$3 75	$3 00	$0 50	$0 50	$3 00	$1 50
No. 1	3 50	4 00	3 50	50	50	3 25	1 50
No. 2	4 00	4 25	4 00	75	50	3 50	1 50

When ordering give name, number and size of plow; also number stamped in under side of share.

GALE CHILLED PLOW

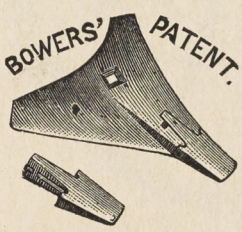
No. of Plow.	Chilled Iron Shares.	Cast-Cast Steel Shares.	Slip Nose Shares.	Landsides.	Molds.	Standards.	Beams.	Handles, per pair complete.
No. A2	50c	$2 50	85c	$1 25	$4 00	$5 00	$2 50	$1 75
" A4	50	3 00	85	1 25	4 00	5 00	2 50	1 75
" 15 & 15A	50	3 25	85	1 25	4 00	4 50	2 50	1 75
" 17	50	1 40	75	1 00	3 00	3 00	1 75	1 50
" 18	50	2 50	85	1 25	4 00	4 00	2 50	1 75
" 20	50	2 50	85	1 25	4 00	4 00	2 50	1 75
" 22	50	2 50	85	1 25	4 00	4 50	2 50	1 75
" 25 & 25A	30	1 40	60	65	2 00	2 50	1 50	1 50
" 26	50	2 25	85	1 25	4 00	3 25	2 00	2 00
" 27 & 27A	50	2 50	85	1 25	4 00	3 25	2 00	2 00
" 28	50	2 50	85	1 25	4 00	3 50	2 00	2 00
" 31	50	2 00	85	1 25	3 50	3 00	1 75	2 00
" 32	50	2 00	75	1 25	3 25	3 00	1 75	2 00
" 34	50	2 50	85	1 25	3 75	3 50	1 75	2 00
" 35	25	1 00	60	65	2 00	2 00	1 50	1 75
" 36	40	1 50	60	1 00	2 50	2 50	1 75	1 75
" 37	50	2 25	75	1 25	3 50	3 25	1 75	2 00
" 38	40	1 50	60	1 00	2 50	2 75	1 50	1 75

Jointer Points	$0 25	Wheel Rigs	$1 25	Beam Clevises—large	$0 50
" Molds	50	Jointer "	2 50	Wheels only (for Wheel Rigs)	50
" Standards	1 50	Coulter "	2 50	Wrench	25
Shin Pieces (Chilled Iron)	30	Moldboard Braces (back of mold)	50	Wheel Axles	25
" " (Cast-cast Steel)	1 00	Beam Tail Pieces	40	" Standards	50
Slips for Slip Nose Points—A	15	Index Castings (between handles)	60	" Axle Sand Caps	10
" " " " " —C, D & E	15	Beam Clevises—small	40	Handles only, per pair	1 25

PRINCESS CHILLED PLOW

Nos.	Chilled Iron Shares	Steel Shares.	Slip Nose Shares.	Chilled Molds.	Steel Molds.	Chilled Landsides.	Steel Landsides.	Standards.	Beams.	Handles, per pair.
0	$0 40	$1 50	$0 60	$2 50	.....	$0 75	.....	$2 50	$1 50	$1 25
73	40	1 50	60	2 00	.....	75	.....	2 00	1 50	1 25
79	45	2 00	65	2 50	.....	85	.....	2 00	1 75	1 25
85	50	3 00	75	3 00	$5 50	1 00	$2 50	2 50	1 75	1 50
87	50	3 00	75	.....	5 50	1 00	.....	2 50	1 75	1 50
91	55	3 50	80	4 00	6 00	1 25	3 00	2 75	2 00	1 75
93	55	3 50	80	.....	6 00	1 25	.....	2 75	2 00	1 75
103	60	3 50	80	4 00	.....	1 25	.....	2 75	2 00	1 75

Shin Pieces	$0 30	Clevis Part No. 74	$0 45
Index Castings	50	" " " 50	60
Moldboard Braces	50	" " " 44	75
Slips for Slip Nose Shares, small	15	" Ratchet—end of beam	45
" " " " " large	15	Wheel Rig, complete	1 25
Clevises, complete for Nos. 0, 73 and 79	90	" Standard	75
" " " " 85 and 87	1 00	" " Clamp	50
" " " " 91, 93 and 103	1 25	" only	50
Wrench	25		



This Cut Shows Our Slip Nose Shares, as used on Gale and Princess Plows. They can be used in place of the plain chilled and steel shares. The slip is easily removed, is reversible, and held in place by a common nail.

Several new slips can be used before the share is entirely worn out. A new slip makes the share good as new.

When ordering parts, give name and number of Plow; also number and description of part.

INSTRUCTIONS FOR ORDERING EXTRA PARTS FOR THE

EUREKA GANG PLOW

Owing to the many improvements on the celebrated Eureka Gang, it has become necessary to adopt some method by which dealers and customers can order extras, and be supplied with the right pieces promptly, saving us much trouble, and our customers the annoyance of receiving the wrong parts.

Our Factory has made the Eureka Gang with eight different styles of bottom, viz:

S. P. BOTTOMS, 10, 12 and 14 in.
SLIP-SHARE BOTTOMS, 10, 12 and 14 in. Keyed or Bolted.
DIAMOND-SHARE BOTTOMS, 10, 12 and 14 in.
MOLINE BOTTOMS, 10 and 12 in.
LUG-SHARE BOTTOMS, 10 and 12 in.
GALE CHILLED BOTTOMS, 10 and 12 in.
ADOBE BOTTOMS, 10 and 12 in.
OLIVER BOTTOMS, 10 and 12 in.

The S. P. Bottom has a share with a short landside projecting back of the share about four inches, and the entire bottom is bolted to a Frog Casting, the share being bolted on with three bolts, and numbered on under side, S. P. 2 (for 10 inch); S. P. 3 (for 12 inch); S. P. 4 (for 14 inch).

The Slip-Share Bottom is made with the landside entirely of cast-cast-steel, and previous to 1883 the share was fastened on with a flat key and one bolt. We are now *bolting* the share on this style of bottom, instead of *keying* it on as formerly, and parties ordering should state whether *Keyed or Bolted* Slip shares are wanted. This style of bottom has no frog, the beam being bolted directly to the landside. Shares are stamped: H. S. S. 10 (for 10 inch); H. S. S. 12 (for 12 inch); H. S. S. 14 (for 14 inch). We furnish *Bolted* shares in all cases, as they will take the place of *Keyed* shares.

The Diamond Bottom resembles the Hill's Slip-share in appearance, but is altogether different in detail, The landside is made in two pieces, having an adjustable shoe on the lower edge, and with the share bolted to it. The share has a <> mark sunk in on the under side, and has three bolt holes. This bottom has no frog casting. and the beam is bolted directly to the landside. Shares are stamped <2> (for 10 inch); <3> (for 12 inch); <4> (for 14 inch.)

The Moline Bottoms have no Slip-share, the landside and share being in one piece, and bolted to a frog which in turn is bolted to the beam.

The Lug share Bottom is out of date and is not manufactured by us now. This share is fastened on by means of a round key which passes through a loop on the back part of the share, and fastens it to the frog.

The Gale Chilled Bottom has a frog casting, to which the share, shin-piece, landside and moldboard are bolted, and the frog is bolted to the iron beam. All the pieces were numbered $\overline{|\ 37\tfrac{1}{2}\ |}$ for a 10 in plow and $\overline{|\ 34\tfrac{1}{2}\ |}$ for a 12 inch, but on account of variations in landside, other numbers have been used. See list of repairs.

The Oliver Bottom resembles the Gale. We furnish styles O20, O40 and OB5.

The Adobe Bottom resembles the Diamond Bottom in appearance. Formerly the landside was in one piece, made of cast-cast-steel; now it is made in two pieces, the lower piece being an adjustable shoe. The shares are wrought steel. We can furnish cast-cast-steel shares also. Give number on share, as some shares have two bolt-holes; others have three.

Any bottoms, to which the foregoing descriptions do not apply, have been made on *special* orders, and are not our regular styles; parties ordering extras for such bottoms should always send the old part so that it can be duplicated.

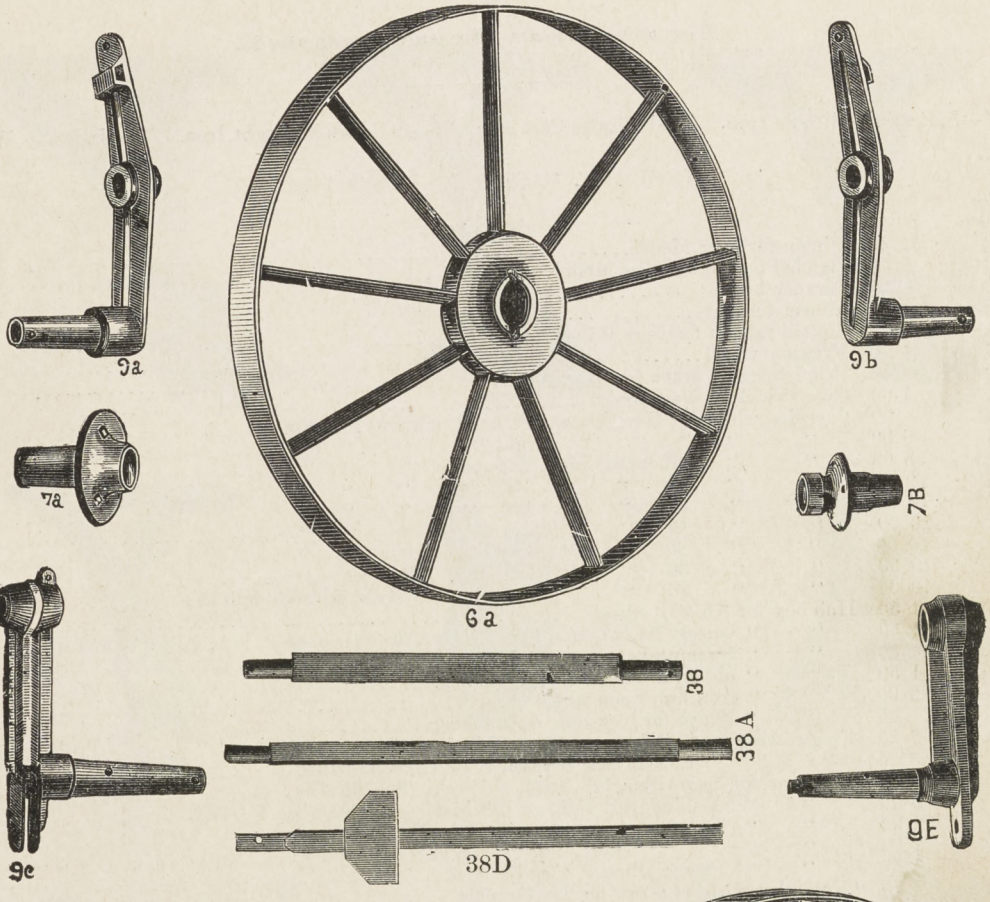
All steel bottoms have chemically hardened steel moldboards of the best quality and design.

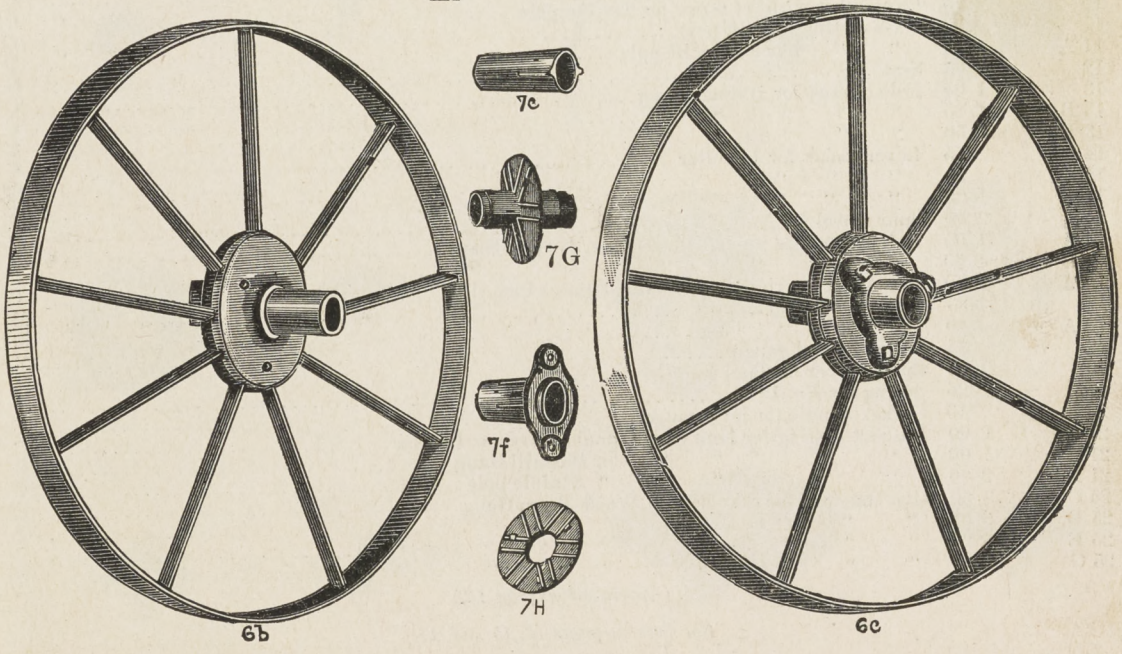
The following rules should always be observed in ordering extras:

1. **State the number that is stenciled on the Gang.**
2. State the size of the cut, 10, 12 or 14 in.
3. State name of bottom as per foregoing descriptions.
4. State whether *Wood* or *Iron* Beam.
5. Observe carefully the number on the casting of which you want a duplicate.

REMEMBER.—*Give the number cast or stamped on the part you want duplicated, and give a description of same.*

EXTRAS FOR EUREKA GANG PLOWS





EUREKA GANG AND SULKY PLOWS

When ordering repairs, follow instructions on page 12.

M—Indicates Malleable Iron. C—Indicates Cast Iron. I—Indicates Wrought Iron. W—Indicates Wood.

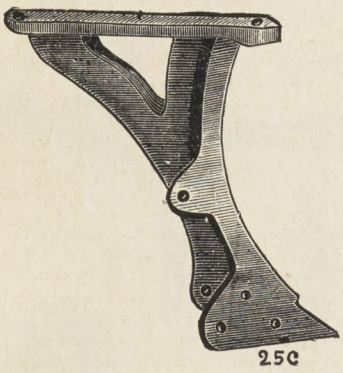
WROUGHT, CAST AND WOOD PARTS.

New Number.	Price.	Description.	Material.
1 C	$1 50	Pinion for New Model	C
2 C	15	Ratchet button for New Model	C
2 D	25	Scraper brace	C
~~2 H~~	20	Wheel scraper	I
3 A	1 25	Slotted ratchet for New Wheel	C
3 C	1 75	Friction wheel	C
3 D	40	Friction wheel brake for New Model	C
5 A	4 00	Gear shield for New Model	C
6 A	8 00	Carrying wheel for New Model, left hand, without hub box	I
6 B	8 00	" " " " " right " " " "	I
6 C	8 00	" " 32 inches high, 1x⅜ spoke " " "	I
6 E	9 00	" " 32 " " 1x½ " " " "	I
6 F	10 00	" " 32 " " 1x⅝ " " " "	I
6 K	10 00	" " 44 " " 1x½ " " " "	I
6 L	10 00	" " 40 " " 1x⅝ " " " "	I
6 M	10 00	" " 36 " " 1x⅝ " " " "	I
6 N	10 00	" " 36 " " 1x⅝ " " new style, without hub box	I
7 A	1 50	Hub box for No. 6 B wheel	C
7 B	1 50	" " wheels No. 6 C to 6 M, inclusive, fits axle arms 9, 9 A, 9 B, 9 C, and 9 E	C
7 C	50	" " Sweepstake wood wheel	C
7 F	1 50	" " old style iron wheel	C
7 G	2 00	" " iron hub wood wheel	C
7 H	50	" " flange for iron hub wood wheel	C
8 A	3 25	Frog casting for S. P. botoom, 10 or 12 inch, drilled	C
8 D	3 25	" " " Eureka Star bottom, 10 or 12 inch, drilled	C
9	2 00	Axle arm for deep tiller, left hand, old style, (See No. 77)	C
9 A	2 00	" " double lever, right or left hand, old style, (See No. 79)	C
9 B	2 00	" " left lever, long, old style, (See No. 78)	C
9 C	2 00	" " " " short, " " (See Nos. 73 and 74)	C
9 E	4 00	" " Fresno Ditcher, (See No. 110)	C
10	1 75	Cast socket with set screw for flexible pole	C
11	30	Axle casting for stiff pole	C
11 A	20	" " block for stiff pole	C
12	2 00	Seat	C
13	1 00	Pole casting for 10-inch Gang	C
13 B	1 25	" " " 12 " "	C
13 D	1 50	" " " 14 " "	C
14	75	Lever socket for 1⅛ roller	C
14 A	90	" " " 1¼ "	C
14 B	1 00	" " " 1⅜ "	C
15	2 50	Spur wheel for New Model Gang	C
15 A	1 00	Roller standard for left lever gang, 3½-inch beam	C
15 B	1 50	" " " " " " 5 " "	C
16 A	40	" box for right lever Gang, (state which side)	C
17	35	Malleable hanger, short	M
17 A	40	" " long	M
18	35	Slide for land gauge	M
19	25	Spring lever for land gauge	M
....	25	Spring for No. 19	I
20	40	Socket handle for land gauge	C
21	2 00	Ratchet casting for land gauge, double lever or R lever	C
21 A	1 00	" " " " " for Sidehill Gang	C
21 B	2 00	" " " " " flexible pole	C
25 C	3 50	Cast standard for Star bottom Wood Beam Gang	C
25 D	3 50	" " " S. P. " " " "	C
25 E	3 25	" " " Sursa " " " " (out of use)	C
25 G	3 25	" " " Collins " " " "	C

(*Continued on page 16.*)

For Cuts see pages 13, 15 and 17.

EXTRAS FOR EUREKA GANG PLOWS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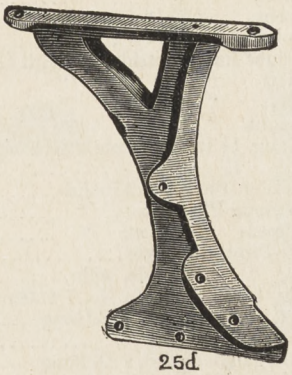
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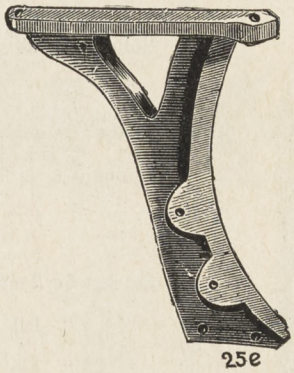
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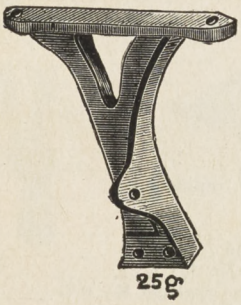
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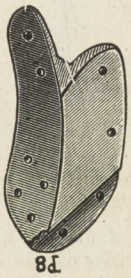
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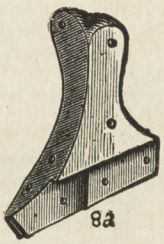
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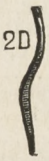
1D

2C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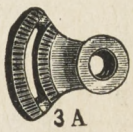
2H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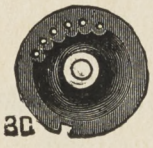
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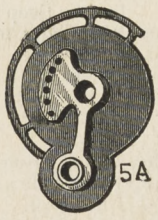
3D


5A

10

11

11A

12

13

EUREKA GANG—Continued

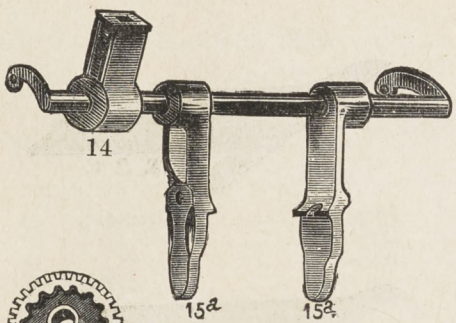
New Number.	Price.		
27	$ 35	Roller box, right hand front, double lever Gang	C
27 A	35	" " " " hind, " " "	C
27 B	35	" " left " hind, " " "	C
27 C	35	" " " " front, " " "	C
31	10	Axle cap to fit No. 7 B hub box	C
36	2 00	Roller box, old style, for right hand (outside) Sidehill Gang	C
36 A	2 00	" " " " " left " " " "	C
36 B	1 50	" " " " " left " (inside) " "	C
36 C	1 50	" " " " " right " " " "	C
37 A	2 00	Roller for double lever Gang, 1⅛ inches (state which side)	I
37 D	2 50	" " sidehill " 1½ "	I
38	2 50	Wrought Axle for Deep Tiller Plow, 1½x2 inches	I
38 A	2 25	" " " Eureka Gang Plow, 1½x1½ "	I
38 B	2 00	" " " Wood Beam " 1 x2 "	I
38 D	4 00	" " " Sidehill Plow, old style	I
38 J	5 00	" " " " " new style, wide	I
39	1 25	Ratchet for double or right hand lever, on No. 7 C Gang	I
39 A	1 00	" " " lever, left hand, on No. 7 C Gang	I
39 B	1 50	" " left " on No. 7 D Gang	I
39 C	1 50	" " " " land gauge on No. 7 D Gang	I
39 D	1 50	" " No. 107 C and No. 107 D, right hand	I
39 E	1 50	" " " " " " left hand	I
40	6 75	Pole, complete with irons	W
41	5 00	" only, no irons	W
42	7 50	" complete, for deep tiller	W
43	5 00	" only, no irons	W
69	2 00	Lever socket for Fresno Ditcher	C
70	1 00	" " " No. 107 D Gang	C
71	1 50	Roller box, left hand, for No. 107 C Gang, 5 inches beam	C
71 A	1 50	" " right " " No. 107 C " 5 " "	C
72	3 00	" " for Ditcher	C
73	3 00	Axle arm, with sand cap, *short*, for No. 107 D Gang, right hand, replaces 9 C	C
74	3 00	" " " " " " " No. 107 D " left " " "	C
75	10	Axle cap for No. 76 box	C
76	1 50	Hub box, fits same wheels as 7 B, for axle arms 73, 74, 77, 78 and 79	C
77	2 75	Axle arms, new style, left hand, for double lever gang, replaces No. 9	C
78	2 75	" " " " " " " " " " " (out of use) replaces No. 9 B	C
79	2 75	" " " " right " " " " " replaces 9 A	C
80	1 50	Roller box, right hand, (inside), wide-axle Sidehill Gang, O. S	C
80 A	1 50	" " " " (outside), " " "	C
80 B	2 25	Roller box, 1⅛ inch, for 10 A or 10 B Gang, N. S	C
80 D	1 00	Pinion for 1¼ roller, for 10 A or 10 B, 7 C or 9 E Gangs	C
80 E	1 00	Comb for 1¼ roller, for 7 C, 107 C, 9 C, 10 A and 10 B	C
80 F	1 00	" " 1⅛ " " 7 C, 107 C, 9 C, 10 A and 10 B	C
80 H	50	Pinion for 1¼ roller, for 107 C	C
80 P	50	Pinion for 1¼ roller, for 107 C—replaces 80 H	C
80 N	1 00	" " 1⅛ " " 10 A or 10 B	C
80 S	50	" " 1⅛ " " 107 C	C
81	2 00	Roller box, left hand, (outside), wide-axle, Sidehill Gang	C
82	1 50	" " " " (inside), " " "	C
85	90	Socket for seat standard	C
85 A	1 00	" " " " on Deep Tiller	C
87	1 00	Roller box for No. 107 C Gang for 1⅛ roller, left hand	C
88	1 00	" " " No. 107 C " " 1⅛ " right "	C
94	2 00	Wrought lever for Ditcher	I
98	1 50	" " " left hand side for No. 7 C or 107 C Gang	I
99	1 50	" " " right " " " No. 7 C or 107 C "	I
99 A	1 50	" " " left " " " No. 7 D or 107 D	I
110	5 00	Axle arm, extra heavy, for Fresno Ditcher, new style, replaces 9 E	C
111	1 50	Hub box, extra heavy, for Axle arms 110, 113, 113 A	C
112	10	Axle cap, for No. 111 hub box	C
113	5 00	Axle arm for Nos. 9 and 109 C, right and left hand	C
113 A	6 50	" " " Nos. 9 C and 109 D	C
150	30	Spring box on lever	M
151	15	Latch handle on lever	M
151 A	2 00	Roller box for 1½ roller for 107 C, L. H	C
152	2 00	" " " " " " " " R. H	C
153	1 00	Pinion " " " " " " " "	C

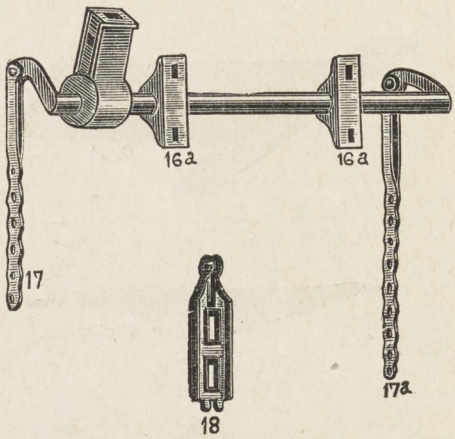
$6 00	Short beam, 3½x1⅛	I	
6 50	" " 3½x1½	I	
9 50	" " 5 x1¼	I	
7 00	Long " 3½x1⅛	I	
$8 00	Long beam 3½x1¼	I	
11 50	" " 5 x1¼	I	
9 00	Single Sulky beam, 3¼x1½	I	
12 50	" " " 5 x1½	I	

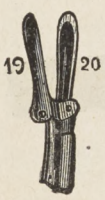
For cuts, see pages 13, 15 and 17.

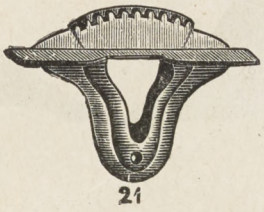
For parts of bottoms, see pages 18 and 20.

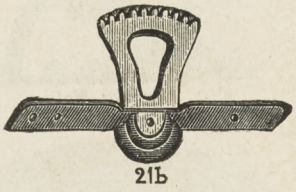
EXTRAS FOR EUREKA GANG PLOWS

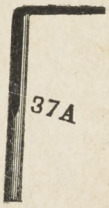


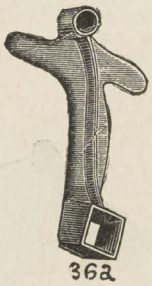


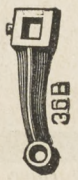




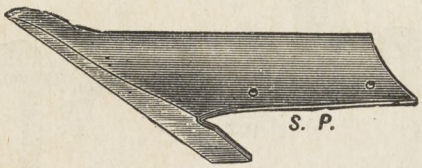








EXTRAS FOR EUREKA GANG PLOWS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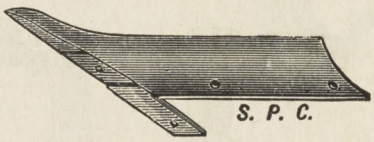
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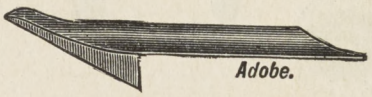
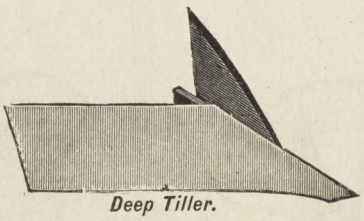
Hill's Slip-share.


Adobe.

Eureka Moline.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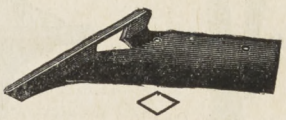

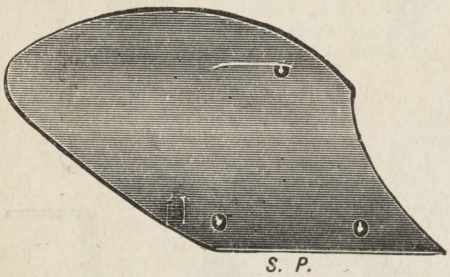
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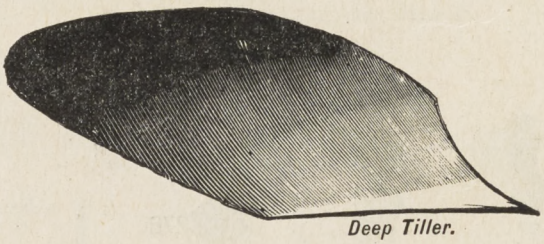
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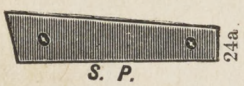
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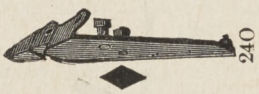
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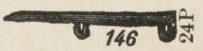
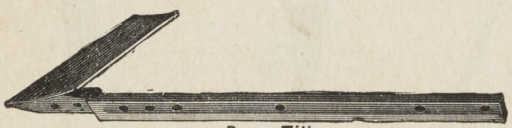
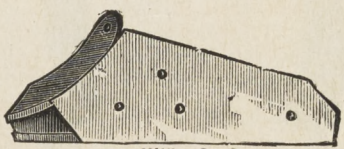

146 24P


Deep Tiller.


Hill's S. S.

EUREKA GANG AND SULKY PLOWS

Size. In.	Name of Bottom.	SHARES. Cast-cast Steel. No.	Price.	Wrought Steel. No.	Price.	Chilled Iron. No.	Price.	MOLDS. Hardened Steel.	Chilled Iron.
10	Diamond 2	<2>	$3 25					$5 75	
12	" 3	<3>	3 50					6 00	
14	" 4	<4>	3 75					6 50	
10	S. P. 2	S. P. No. 2	3 25		$3 25			5 75	
12	S. P. 3	" " 3	3 50		3 50			6 00	
14	S. P. 4	" " 4	3 75		3 75			6 50	
10	S. P. 2C fin cutter	" " 2C	3 25		3 25			5 75	
12	S. P. 3C	" " 3C	3 50		3 50			6 00	
14	S. P. 4C	" " 4C	3 75		3 75			6 50	
10	Hill's Slip share	Hill's 10 in.	3 25		3 25			5 75	
12	" " "	" 12 "	3 50		3 50			6 00	
14	" " "	" 14 "	3 75		3 75			6 50	
10	Moline				3 50			5 00	
12	"				3 75			5 50	
10	" interchangeable	E. M. 10			3 00			5 00	
12	" "	" 12			3 50			5 50	
10	Adobe	10 ADOBE			3 00	176	$0 80	5 50	
12	"	12 ADOBE			3 50	177	90	6 00	
10	Steel Adobe	79	3 00	79–10	3 00	148B	80	5 50	
12	" "	79	3 50	79–12	3 50	148A	90	6 00	
10	Gale Chilled	32½	2 00	32½	2 00	32½	50	4 50	$3 25
10	" "	37½	2 25	37½	2 25	37½	50	4 50	3 50
12	" "	34½	2 50	34½	2 50	34½	50	5 50	3 75
10	Eureka Chilled			OB5	2 25	137B	50	4 50	3 25
12	" "			20	3 50	141	50	4 50	3 50
14	" "			40	4 00	145	60	5 50	3 75
12	Deep Tiller No. 9				5 00			6 00	
14	" "				5 50			6 50	
15	" "				5 75			7 00	
16	" "				6 00			7 50	
18	" "				7 00			8 50	
20	" "				7 50			9 50	
14	Tule No. 9C				6 00			8 50	
16	" "				6 25			9 50	
18	" "				6 50			10 50	
20	" "				6 75			11 50	
24	" "				7 50			13 00	
14	Kula King No. 109 D				7 00			13 00	
16	" " "				7 50			14 00	
18	" " "				8 00			15 00	
20	" " "				9 00			17 00	
22	" " "				10 00			19 00	
24	" " "				12 00			25 00	
	Fresno Ditcher				8 00			10 00	

For Landsides, Frogs and Shins, see page 20.

For Complete Bottoms, see page 29.

EUREKA GANG—Continued

FROG CASTINGS

Name of Bottom.	No. of Frog.	Description.	Price.
S.P.	8A	Takes steel landside, plate No. 24 A	$3 25
Moline	8D	" bar share	3 25
Gale No. 32	129	" 130 landside	3 00
" " 37	37G	" 37G "	3 00
" " 34	34G	" 34G "	3 50
Eureka Chilled OB5	OB5	" OB5 "	3 00
" O20	O20	" O20 "	3 25
" O40	O40	" O40 "	3 50

LANDSIDES

Name of Bottom.	No. of Land.	Description.	Price.
S.P.	24A	Steel. Fits 8A frog	$0 65
S.P.	120	Cast-cast steel. Takes No. 121 shoe	3 40
Diamond	24D	" " " Replaced by 150	
"	150	Chilled iron. Takes No. 148 shoe. See 24D	2 65
Moline	125	Cast-cast steel. " 124 " Few in use	3 40
Hill's Slip share	Hill's No.2	" " "	3 25
Steel Adobe	122	" " " Takes No. 123 shoe See 147	3 40
" "	147	Chilled iron. " 148 " Replaces 122	2 65
Adobe	178	" " " 148 "	2 65
Gale No. 32	131	" " " 133 "	2 65
" " 37	126	" " " 133 "	2 65
" " 34	128	" " " 133 "	2 65
Eureka Chilled OB5	137	" " " 133 "	2 65
" O20	138	" " " 133 "	2 65
" O40	142	" " " 133 "	2 65

EUREKA SINGLE SULKY LANDSIDES.

Name of Bottom.	12 inch.	14 inch.	15 inch.	16 inch.	18 inch.	20 inch.	22 inch.	24 inch.
Deep Tiller Lansides 9	$4 00	$4 00	$4 00	$4 00	$4 50	$4 50	.....	.....
Tule 9C	.....	5 50	.....	6 00	6 50	7 00	.....	$8 00
Kula King 109D	.....	9 00	.....	9 00	9 50	10 00	$10 50	12 50

SHOES FOR LANDSIDES

Name of Bottom.	No.	Description.	Price.
S.P.	121	Cast-cast steel. Fits No. 120 landside	$0 65
Diamond	24P	" " " Replaced by No. 146	
"	146	Chilled iron. Replaces No. 24P	65
"	148	" " Fits No. 150 landside	65
Moline	124	Cast-cast steel. " 125 "	65
Steel Adobe	148	Chilled iron. " 147 "	65
"	123	Cast-cast steel " 122 "	65
Adobe	148	Chilled iron. " 178 "	65
Gale No. 32	133	" " " 131 "	65
" " 37	133	" " " 126 "	65
" " 34	133	" " " 128 "	65
Eureka Chilled OB5	133	" " " 137 "	65
" O20	133	" " " 138 "	65
" O40	133	" " " 142 "	65

CHILLED SHIN PIECES

	Gale.	Gale.	Gale.	Eureka.	Eureka Chilled.	Eureka Chilled.
No. of Bottom	32	37	34	OB5	O20	O40
No. of Shin Piece	32-2#	37-2#	34	137A-2#	140	144
Price	$0 30	$0 30	$0 30	$0 30	$0 30	$0 30

For complete Bottoms, see Page 29.

1897

BAKER & HAMILTON

PRICE LIST

BENICIA ACL. NOBLES
FEB 14 1900
BENICIA, CAL.

No.								
126	Frog	C. D. &	37	Gale	16	Folks 133	# Shoe	
127	Shoe	" "	37	"		Use 133		
128	Frog	" "	34	"	22			
129	Shoe	" "	34	"	3	Use 133		
130	Shoe				2½			
131	Frog	"	32	"	18			
132	Shoe	"	32	"		Use # 133		
133	"		5B	Oliver	4	Use # 133		
137	Frog	For	5B	"	15½			
138	"	"	20	"	22			
139	Shoe	"	20	"		Use # 133		
140	Shin	"	20	"				
141	Share		20	"				
142	Frog		40		23			
143	Shoe		40			Use # 133		
144	Shin		40			137 B Share		
145	Share		40					
137A	Shin	For	085B		2			

Put on Catalogue Page 20

Not made

Plows

Wood.

No.		Mat.	Price.
76	Hu	S	$1 25
77J	Axl	W	50
85	Soc	S	1 25
150	Lat	I	8 00
151	"	I	8 00
	"	I	1 75
154	Sle	I	5 00
155	Cor	I	2 75
156	"	H. lifting	I 3 75
157	"	H. "	I 3 25
158	"	land gauge.	I 3 00
159	Cap	curved axle	I 3 00
160	San	out hub box	I 8 00
161	Hu	pole	I 1 50
162	Ax		I 20
163	Lar		I 40
164	Smi		I 40
165	Bra	187	B 20
165A		150	B 15
166	Cor	95–96)	W 4 75
167	"	ce 1895–96)	W 4 50
168	Bo	96)	W 7 75
	p	1895–96)	W 7 50
169	Bo		W 75
	o		
170	Kit		
171	Wa		
172	San		
	c		
173	Co		
174	"		
175	"		
176	Soc		
177	Co		
178	Hu		
179	Ca		
180	Sle		
181	Co		
182	"		
183	Do		
184	Bo		
185	Fo		
186	"		

toms

E EXTRA SHARE

rog and 77 E share	15 00
rog and 76 E share	15 00
4 frog and 76 E or e	14 00
3 frog and 76 E or e	14 00

ares

	3 50
	3 50
	75
	75

187	Latch and spring casing for land gauge, R. H. and L. H. levers	M 60
188	Collar for 1¼ in. coulter standard	M 25
189	" " 1¼ in. " "	M 30
190	Comb for land gauge lever	C 1 25
191	Pole casting and coulter standard box	C 2 00
192	Latch handle	M 25
193	Comb for R. H. lifting lever, 12 in.	C 2 00
194	" " " " 10 in.	C 2 00
195	Collar on pole casting for front coulter standard	C 50
196	Bracket box for rear coulter standard (single sulky)	C 1 25

197 axle arm 18#
198 Land side 7¼
199 Point 7¼
200 Hub 8¾
201 King Pin, Wrought
202 Hub 9½
203 axle arm 19

Moulds

77E Steel	6 50
77E Chilled iron	5 00

Shins

77	Chilled iron	50
170	Land side	8¾ Folks Plow #150

Coulters

14 inch, complete	5 00
16 inch, complete	5 00

EUREKA GANG—Continued

FROG CASTINGS

Name of Bott	Price.
S.P.	3 25
Moline	3 25
Gale No. 32	3 00
" " 37	3 00
" " 34	3 50
Eureka Chilled OB5	3 00
" O20	3 25
" O40	3 50

Eureka

Name of Bott	Price.
S.P.	$0 65
S.P.	3 40
Diamond	
"	2 65
Moline	3 40
Hill's Slip share	3 25
Steel Adobe	3 40
" "	2 65
Adobe	2 65
Gale No. 32	2 65
" " 37	2 65
" " 34	2 65
Eureka Chilled OB5	2 65
" O20	2 65
" O40	2 65

? — Eureka

Name of Bc	inch.	24 inch.
Deep Tiller Lansides		
Tule 9C		$8 00
Kula King 109D	0 50	12 50

Name of Botto	Price.
S.P.	$0 65
Diamond	
"	65
"	65
Moline	65
Steel Adobe	65
"	65
Adobe	65
Gale No. 32	65
" " 37	65
" " 34	65
Eureka Chilled OB5	65
" O20	65
" O40	65

Chilled Iron.

Adobe	140	"	"	"	175	"	
Gale No. 32	133	"	"	"	131	"	
" " 37	133	"	"	"	126	"	
" " 34	133	"	"	"	128	"	
Eureka Chilled OB5	133	"	"	"	137	"	
" O20	133	"	"	"	138	"	
" O40	133	"	"	"	142	"	

CHILLED SHIN PIECES

	Gale.	Gale.	Gale.	Eureka.	Eureka Chilled.	Eureka Chilled.
No. of Bottom	32	37	34	OB5	O20	O40
No. of Shin Piece	32-2#	37-2#	34	137A-2#	140	144
Price	$0 30	$0 30	$0 30	$0 30	$0 30	$0 30

For complete Bottoms, see Page 29.

1897

BAKER & HAMILTON

PRICE LIST

OF

REPAIRS

FOR

Eureka Jr. Gang and Single Sulky Plows

BENICIA AGL. WORKS
FEB 17 1900
BENICIA, CAL.

MATERIALS: C—Cast; M—Malleable; S—Steel; I—Iron; B—Brass; W—Wood.

No.	Description.	Mat.	Price.
76	Hub box for L. H. wheel	C	$1 50
77J	Axle arm " "	C	2 75
85	Socket for seat standard	C	90
150	Latch casing on R. H. axle lever	M	30
151	" handle	M	15
	" for No. 150	M	15
154	Sleeve to king pin	C	1 75
155	Comb and support to crank axle	C	3 00
156	" for L. H. lifting lever	C	1 75
157	" " " "	C	1 75
158	" " land gauge lever	C	1 25
159	Cap for R. H. wheel, R. H. thread	C	75
160	Sand cap for back of R. H. wheel	C	35
161	Hub for R. H. wheel, R. H. thread	C	1 75
162	Axle cap	C	15
163	Large frog	C	3 50
164	Small frog	C	3 00
165	Bracket box for rear coulter standard	C	1 75
165A	" " " "	C	1 75
166	Comb and support to crank axle	C	3 25
167	" for R. H. lifting lever	C	2 00
168	Box for front coulter standard, top of pole	C	50
169	Box for front coulter standard, bottom of pole	C	35
170	King pin	S	2 25
171	Washer on pole	C	25
172	Sand cap and scraper holder support on R. H. axle	C	1 00
173	Comb for L. H. lifting lever	C	2 00
174	" and support to crank axle, 10 in.	C	3 00
175	" for R. H. lifting lever	C	2 00
176	Socket for seat standard	C	90
177	Comb for land gauge lever	C	1 40
178	Hub for R. H. wheel, L. H. thread	C	1 75
179	Cap " No. 178 hub, L. H. thread	C	1 00
180	Sleeve to king pin	C	1 75
181	Comb for L. H. lifting lever	C	1 75
182	" " land gauge lever	C	1 25
183	Dog for No. 150	S	15
184	Box for front coulter standard	C	1 00
185	Fork for 14-16 in. coulters	M	1 50
186	" " 10-12 in. "	M	1 25
187	Latch and spring casing for land gauge, R. H. and L. H. levers	M	60
188	Collar for 1¼ in. coulter standard	M	25
189	" " 1¼ in. " "	M	30
190	Comb for land gauge lever	C	1 25
191	Pole casting and coulter standard box	C	2 00
192	Latch handle	M	25
193	Comb for R. H. lifting lever, 12 in.	C	2 00
194	" " " " 10 in.	C	2 00
195	Collar on pole casting for front coulter standard	C	50
196	Bracket box for rear coulter standard (single sulky)	C	1 25

No.	Description.	Mat.	Price.
	Seat	S	$1 25
	Seat standard	W	50
	Seat spring	S	1 25
	Beam, R. H	I	8 00
	Beam, L. H	I	8 00
	Beam brace	I	1 75
	Main axle	I	5 00
	Curved or R. H. axle	I	2 75
	Lever complete, R. H. lifting	I	3 75
	" " L. H. "	I	3 25
	" " for land gauge	I	3 00
	" " for curved axle	I	3 00
	Carrying wheel, without hub box	I	8 00
	Tee iron, rear end of pole	I	1 50
	Wheel scraper	I	20
	Scraper holder, R. H	I	40
	" " L. H	I	40
	Latch Spring for No. 187	B	20
	" " No. 150	B	15
	Pole, wood only (1895–96)	W	4 75
	" " (since 1895–96)	W	4 50
	" ironed (1895–96)	W	7 75
	" " (since 1895–96)	W	7 50
	Jockey box	W	75

Bottoms

EACH WITH ONE EXTRA SHARE

Steel, with No. 164 frog and 77 E share	15 00
Steel, with No. 163 frog and 76 E share	15 00
Chilled, with No. 164 frog and 76 E or 77 E chilled share	14 00
Chilled, with No. 163 frog and 76 E or 77 E chilled share	14 00

Shares

76E Steel	3 50
77E Steel	3 50
76E Chilled iron	75
77E Chilled iron	75

Moulds

77E Steel	6 50
77E Chilled iron	5 00

Shins

77 Chilled iron	50

Coulters

14 inch, complete	5 00
16 inch, complete	5 00

PEERLESS PLOWS

No.	Description.	Each.
19	Latch handle for land gauge lever	$0 30
20	Socket handle for land gauge lever	40
E89	Scraper holder for riding attachment	15
100	Hub box for 1⅜ axle	75
101	" flange for 1⅜ and 1½ axles	40
102	Lever socket for front axle	1 00
103	Axle cap for 1⅜ axle	10
104	Roller box for 1½ axle, 3 or 4 gang	50
105	Cast stud	20
106	Axle cap 1½ inch	10
107	Hub box 1½ inch	1 00
108	Lever gudgeon	25
108B	" "	25
115	" ratchet, 2-gang, old style, R. H	1 50
116	" " " " L. H	1 50
117	Clevis	60
121	Latch lever casting, R. H.—use No. 150	40
122	" " " L. H. " "	40
123	Land gauge ratchet	1 50
124	Latch handle for long lever—use No. 151.	20
126	Swivel-box for colter standard	1 50
127	Lever socket	1 30
131	Land gauge ratchet, N.S.–See Landsides, etc	1 50
132	" " clip " " " "	20
133	" " side link " " " "	1 50
134	Draft casting for traction gang (out of use)	3 50
135	Roller-box, 1½-inch	1 00
136	" " " 1⅜ " 2-gang	1 75
137	Comb for lifting lever	1 75
138	" " " " 2-gang, R. H	1 75
139	" " " " " L. H	1 75
140	Roller-box, 2-inch	1 00
141	" "	90
142	Ratchet comb for land gauge, 2-gang	1 50
144	Standard for steam gang	6 00
145	Chilled landside for steam gang	35
146	Special hub for wheel	75
147	Comb for traction plow	2 50
148	Swivel box for traction gang	2 00
150	Spring box for lifting lever—See 121, 122.	30
151	Hand-catch " " " 124	15
152	Cast steam-plow wheel-flange	65
153	" " " hub—1½ in	1 50
154	New style comb	1 75
155	Beam and seat casting for riding attachment, right, O. S	1 25
156	Beam and seat casting for riding attachment, left, O. S.	2 00
157	Swivel-box on riding attachment, O. S	40
158	Sand-cap	10
159	Roller for steam plow	35

No.	Description.	Each.
160	Clevis for roller for steam plow	1 50
161	Roller-box for 1½-inch axle 2-gang	1 00
161B	" " 1⅜ " "	1 25
162	Cast standard for riding attachment	80
162B	Wrought " " "	2 00
165	Comb on long lever, 3 and 4 gang	1 00
166	" " 2 gang	1 00
167	Stub lever crank on axle, 3 or 4 gang	1 00
168	" " " 2 gang	75
169	Roller box, 2 gang, 1⅜	1 00
170	" " 2 " 1½	1 25
171	" " 2 " 1½	1 25
180	Arm with sleeve for riding attachment, 1893	1 75
181	Arm clamp, 1893	1 25
182	Swivel standard head	75
183	Comb, 1893	50
184	Collar, 1⅜, standard head, 1893	40
	Landside steel plate—fits No. 125 frog	1 00
	First beam	6 00
	Second "	7 00
	Third "	9 00
	Fourth "	9 00
	Wheels, complete, 3-in. and 4-in. tire	5 00
	" " 5-in., 6-in. and 7-in. tire	7 50
	" " ¾ spokes, 2¼ tire for steam gang	6 00
	" " " 3 " " "	6 50
	" " " 4 " " "	7 00
	Wheel spoke, ½-in	20
	" " ¾-in	25
	Axle, 1⅜-in. steel, for 2 gang, 8 and 10 in	3 50
	" 1½-in. " " 2, 3 & 4 gang; 8, 10 & 12 in.	4 50
	" 2 in. " " steam gang, 10 and 12 in	5 50
	Comb for long lever, wrought	1 25
	Spring-bolt clamp for long lever	55
	Rear lever and ratchet, complete	5 00
	Steel dog for lifting lever	15
	Brass spring for dog on lifting lever	15
	Land gauge, complete, with rod	8 00
	Draft-rod and beam irons, with clevis and ring	3 00
	2-inch cast thimble, between beams	20
	Top or bottom brace for 2-gang	1 50
	" " " " 3 "	1 75
	" " " " 4 "	2 25
	" " " " 5 "	2 50
	Wheel for riding attachment	3 50
	Benicia Boy seat for riding attachment	1 00
	Seat-spring " " "	2 00
	Hand lever " " " O. S.	75
	Foot " " " " O. S.	75
	Connecting strap " " "	60

When ordering, give numbers on parts wanted, and state if for the frame or bottom of plow.

When ordering beams, give height from ground and full description.

For parts of bottoms, see page 22.

For complete bottoms, see page 29.

PEERLESS PLOW

SHARES

Size. In.	Name of Bottom.	SHARES. Wrought Steel. No.	Wrought Steel. Price.	C. C. Steel. No.	C. C. Steel. Price.	Chilled Iron. No.	Chilled Iron. Price.
8	Peerless Gang	45 or 8P	$1 50			8 in.	$0 60
10	" "	44 or 10P	1 75			10 in.	65
12	" "	77 or 12P	2 25			12 in.	80
10	Adobe	179–10	2 00			176	85
12	"	179–12	2 25			177	90
10	Steel Adobe	790–10	2 00	79	$3 00	148B	80
12	" "	790–12	2 25	79	3 50	148A	90
10	Gale	32½	2 00	32½	2 00	32½	50
10	B. & H, Chilled					B. & H. 10	50
10	Eureka "	OB5	2 25			137B	50
14	Peerless Sulky	56	4 25				
16	" "	34	4 50				
8	Perfect		2 00		3 00		
10	"		2 25		3 25		

MOLDS AND SHINS

Size. In.	Name of Bottom.	MOLDS. Steel.	MOLDS. Chilled.	SHINS. No.	SHINS. Price.
8	Peerless Gang	$4 00			
10	" "	4 50			
12	" "	5 00			
10	Adobe	5 50			
12	"	6 00			
10	Steel	5 50			
12	"	6 00			
10	Gale	4 50	$3 25	32	30
10	B. & H. Chilled		3 00	137A	30
10	Eureka "	4 50	3 25		
14	Peerless Sulky, No. 56	6 50			
16	" " " 34	7 00			
8	Perfect	4 00			
10	"	4 50			

FROG CASTINGS, LANDSIDES AND SHOES

No.		Price.
125.	Cast frog, uses steel plate, see 149	$ 1 00
128.	" " used on "B. & H." bottom	1 50
129.	" " " " Gale bottom, No. 32, old pattern	3 00
130.	Chilled landside for " " "	1 25
131.	" " " " " " new pattern	2 65
133.	" shoe for landsides 128, 131, 137, 138 and 142	65
137.	" landside for OB5 bottom	2 65
147.	" " for steel adobe bottom	2 65
148.	" shoe for No. 147 landside	65
149.	Cast-cast steel frog, replaced by No. 164, see No. 173	1 75
163.	Chilled shoe for No. 164	65
164.	Cast-cast steel landside, having adjustable shoe, see No. 173	3 40
172.	Chilled shoe for No. 173	2 75
173.	Cast landside, replaces Nos. 125, 149 and 164	1 75
178.	" " for adobe bottom	2 00
	Steel landside plate for No. 125 frog	1 00
	Cast-cast steel landside for Perfect bottom, Hill's No. 2	3 00

All landsides having adjustable shoes will be furnished complete. Give *number and description* of part wanted, as several of the parts of *bottoms* are numbered same as parts of the plow-frame.

For Complete Bottoms See Page 29.

Umatilla Chief Gang

2, 3 & 4 Gang.

#			Wts.
1	Main Hub For Wheel	C	8½
2	" " Flange	"	4¾
3	" " Bushing	"	3
4	Latch Casing Land Wheel Lever	M	15 oz.
5	" " Main "	"	13 oz.
7	Bracket For Rear Bar	M	1½ #
8	" " Spring on #5 Main Lever	M	3 oz.
9	Latch Casing on Land gauge Lever	"	13 oz.
10	Handle For Latch Rod malleable	"	8 oz.
10 V — 10 U	" " "		
11	Latch Bolt in #9	"	5½ oz.
12	" " " #4	"	3⅜ oz.
13	Roller Box	M	1½ # & Cast ?
14	Comb For Main Lever	"	7¾ # " ?
15	Land Gauge Fulcrum Cap	C	¾ #
16	Land Wheel Lever Socket	"	3 #
16 U	" " " " & Hook	M	
17	Short Arm on Furrow Wheel axle	C	3 #
18	Sand Cap Halved	"	1¾ #
19	" " "	"	1¾ #
20	Beam Clevis	M	1⅞ #
21 U	Comb, Land Wheel Lever & main Lever Socket	M	8¾ # & Cast ?
22	Main Sliding Clevis or Draw Bar	C	11¾ #
23	Tee Head For Land Gauge Lever	"	4½ #
24	Coil Spring	Steel	
"	Spool For Draw Head Bolt, 2" long ¾ Hole	C	1¼ #
0 M	Main Hub For Wheel	M	
2 M	" " Flange	"	
18 M	Half Sand Cap	"	
19 M	" " "	"	
11 H	Plate For Coulter Standard	"	1¼ #
11 J	" " " "	"	1¼ #
185 B		"	4¾ #
189 A		"	¼ #

GALE SULKY PLOW

WROUGHT PARTS.

DESCRIPTION—	PRICE.
Arch to Frame	$5 00
Front to Frame	4 00
Bail	3 00
Slide axle, complete, No. 55	3 50
Lifting lever, complete, right hand	3 00
Connecting rod on lever, each	25
Lifting lever bar	75
Lifting springs, each	20
Slide axle lever	2 50
Saddle, flexible, with set collar	3 75
Wheels, land, complete	6 00
" furrow "	6 50
Seat	1 50
Seat spring	2 50
Bail bolt, left hand side	25
Dog and lever bolt	20
Pole clamp	25
Pole bracket bolt, lower	10
" " upper	10
Beam clamp bolts, each	10
Weed hook and bolt	75

MALLEABLE PARTS.

No. 24, Front pole casting	$0 50
" 29, Left hand lever arch	1 50
" 30, Right " " "	1 75
" 31, Lever and bail brace	2 50
" 55, Sliding axle slide	1 00
" 33, Ferrule for axle, left hand	10
" 34, Lever socket, both sides	15
" 35, Arch dog	15
" 36, Latch handle for left hand lever	25
" 64, Beam clip, new style	30
" 38, Set collar for bail	25
" 39, Lifting dog	25
" 40, Latch handle or lift lever, R. H	30
" 41, Foot rest	50
" F 56, Foot rest extensions, each	20
" 62, Lever to new style saddle	75
" 61, Front pole strap	25

CAST IRONS.

No. 71, Tool box	$0 50
" 44, Lifting dog wedge	15
" 45, Hub lever washer	10
" 46, Beam adjuster, malleable	10
" 60, Box to land wheel, new style	75
" 59, Box and ratchet, R. H. wheel, N. S.	1 00
" 56, Pole bracket, new style	75
" 51, Inside axle washer, small	15
" 72, " " " new style	15
" 52, Bail washer	10
" 53, Casting between arch and frame	10
" 63, Axle thimble	10
Saddle, N. S. flexible	4 50

DESCRIPTION—	PRICE.
No. 57, Upper plate to saddle	$1 25
" 58, Lower " "	1 50
" 65, Washer on under side	10
Large bolt for saddle	25
Spring to trip on saddle	15
No. 38, Set collar for saddle on bail	25
Saddle, flexible, N. S., with pin	3 00
No. 73, Upper saddle plate	1 00
" 74, Lower " "	1 25
" 65, Saddle washer	10
" 70, " pin	10
Large bolt for saddle	25
No. 38, Set collar for saddle on bail	25
Weed hook complete	75

WOODEN PARTS.

Pole, finished,	$3 00
Neckyoke, complete	1 25
Tripletrees "	4 00
Doubletrees, large, each	75
" small "	50
Singletrees	50
Clevises	25
Hooks, complete	15
Wrench (screw)	60

ROLLING COULTERS AND EXTRAS.

Rolling coulter rigs, complete	$4 50
" " yoke, malleable	1 00
" " shank	75
" " clamp	50
" " guide screw	10
" " hubs	50
" " " cones, per pair	25
" " blades, with hubs	2 50
" " yoke bolts	10

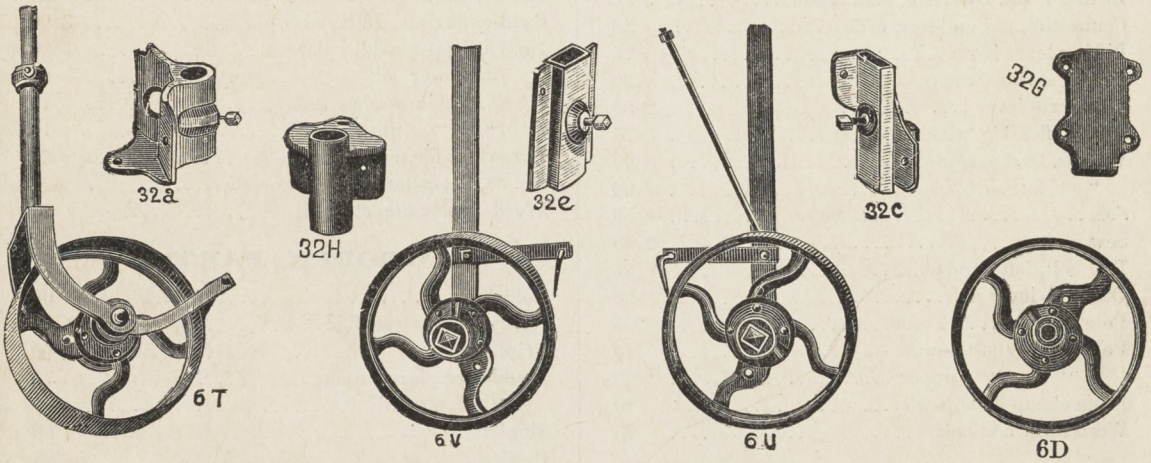
CLEVIS PARTS.

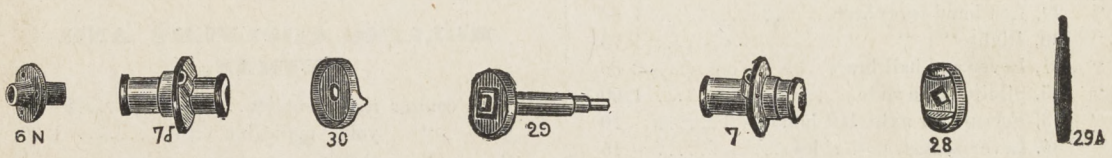
Clevis rigs for sulky, complete	$2 00
" jaws, A and B	50
" cross-head, C	50
" swivel, D	50
" braces, E and F, each	25
" pin, long	10
" " short	10
" bolt	10

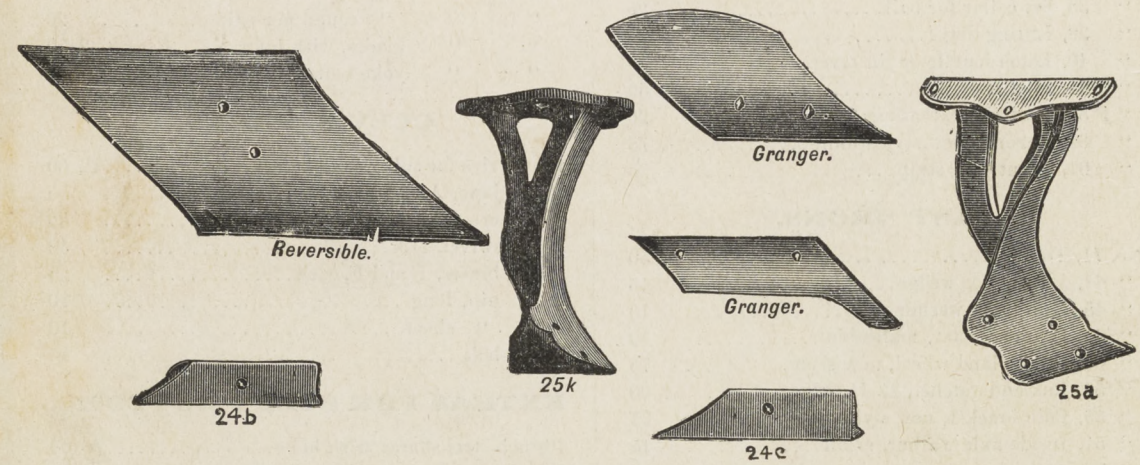
EXTRAS FOR SULKY BOTTOMS.

16-inch steel shares, with bolts	$6 00
14 " " " " "	5 00
16 " mold board	7 50
14 " " "	7 00
16 " landside plate	2 00
14 " " "	2 00

GRANGER AND REVERSIBLE MOLD GANGS







GRANGER AND REVERSIBLE MOLDBOARD GANG PLOWS—WROUGHT AND CAST IRON PARTS

No.	Description.	Average Weights of Castings.	Price.
A1	Swivel box	13.50 lbs.	$0 60
A4	" " cap	3.00 "	15
A5	Brace rod casting	2.50 "	15
6D	Carrying wheel 16 inches, without hub box	29.00 "	1 50
6G	" " 18 " " "	36.00 "	2 00
6T	Swivel wheel with standard, less standard box		7 50
6U	Front rigid " " " " "		7 00
6V	Rear " " " " " "		6 50
7	Hub box for rigid wheel, 1¼ inch bore	7.00 "	35
7D	" " swivel " 1 inch "	7.00 "	35
14C	Scraper brace casting	1.50 "	10
25A	Standard for Granger gang, 20 inches high, 8 or 10 inch	42.00 "	2 10
25B	" " " 18 " " 8 or 10 "	41.00 "	2 10
25K	" Reversible gang, 10 inch plow	44.00 "	2 25
25L	" " " 8 " "	36.00 "	1 75
25M	Interchangeable standard, 8 and 10 inch plow	39.00 "	2 00
25N	Standard for adobe bottom	58.00 "	4 00
27	Sand cap for 29C axle	1.00 "	10
28	Inside cap for No. 7 box	2.00 "	10
29	Outside cap and wrought spindle for No. 7 box		50
	" " only for No. 7 box	2.00 "	10
29A	Spindle only for No. 7 box (wrought)		40
29B	" " " 7D box "		40
29C	" for No. 7 box takes 27 cap		40
30	Cap for "7D"	1.25 "	10
30D	" " furrow wheel for lifting lever gang	1.25 "	10
32A	Swivel box without collar and set screw	14.00 "	75
32C	Standard box for furrow wheel	10.50 "	60
32E	" " rear "	11.00 "	60
	Collar and set screw for swivel wheel standard		40
32G	Rigid wheel standard box for lifting lever gang	10.50 "	60
32H	Swivel box for lifting lever gang	16.50 "	85
92	Standard for 8 or 10 inch chilled iron bottom	37.00 "	2 00
	Bevel socket washer for rear lifting attachment	1.00 "	10
	Comb " " "		1 50
	Crank axle " " "		2 50
	Drawbar clevis		40
	" ring		25

GRANGER SHARES

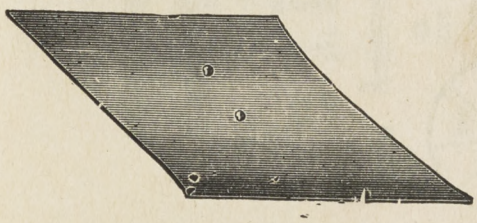
Size.	No.	Description.	Price.	Size.	No.	Description.	Price.
8 in.		Wrought steel, plain	$1 00	10 in.		Wrought steel, plain	$1 25
"		" " polished	1 25	"		" " polished	1 50
"		Cast cast steel	1 25	"		Cast cast steel	1 50
"	25A	Chilled iron, for chilled bottoms	30	"	B&H 10	Chilled iron, for chilled bottoms	50
"	25A	Cast cast steel, " "	1 40	"	179-10	Steel share, " adobe "	2 00
"	25A	Chilled, with slip nose	60	"	176—	Chilled iron, " " "	80

GRANGER MOLDS

8 in.		Wrought steel	$2 50	10 in.		Wrought steel	$3 00
"		Cast cast steel	3 00			Cast cast steel	3 50
"	25A	Chilled iron, for chilled bottoms	2 00		B&H 10	Chilled iron, for chilled bottoms	3 50
						Steel, " adobe "	5 50

LANDSIDES

No. 24B—	Cast landside for Reversible Mold Plows, weighs 4.35 lbs.			$0 25
" 24C	" " " Granger " " 3.50 "			20
" 25A	Chilled " " " " "	(chilled bottoms)		65
" 25P	" " " " "	(adobe bottoms), weighs 6.50 lbs.		50

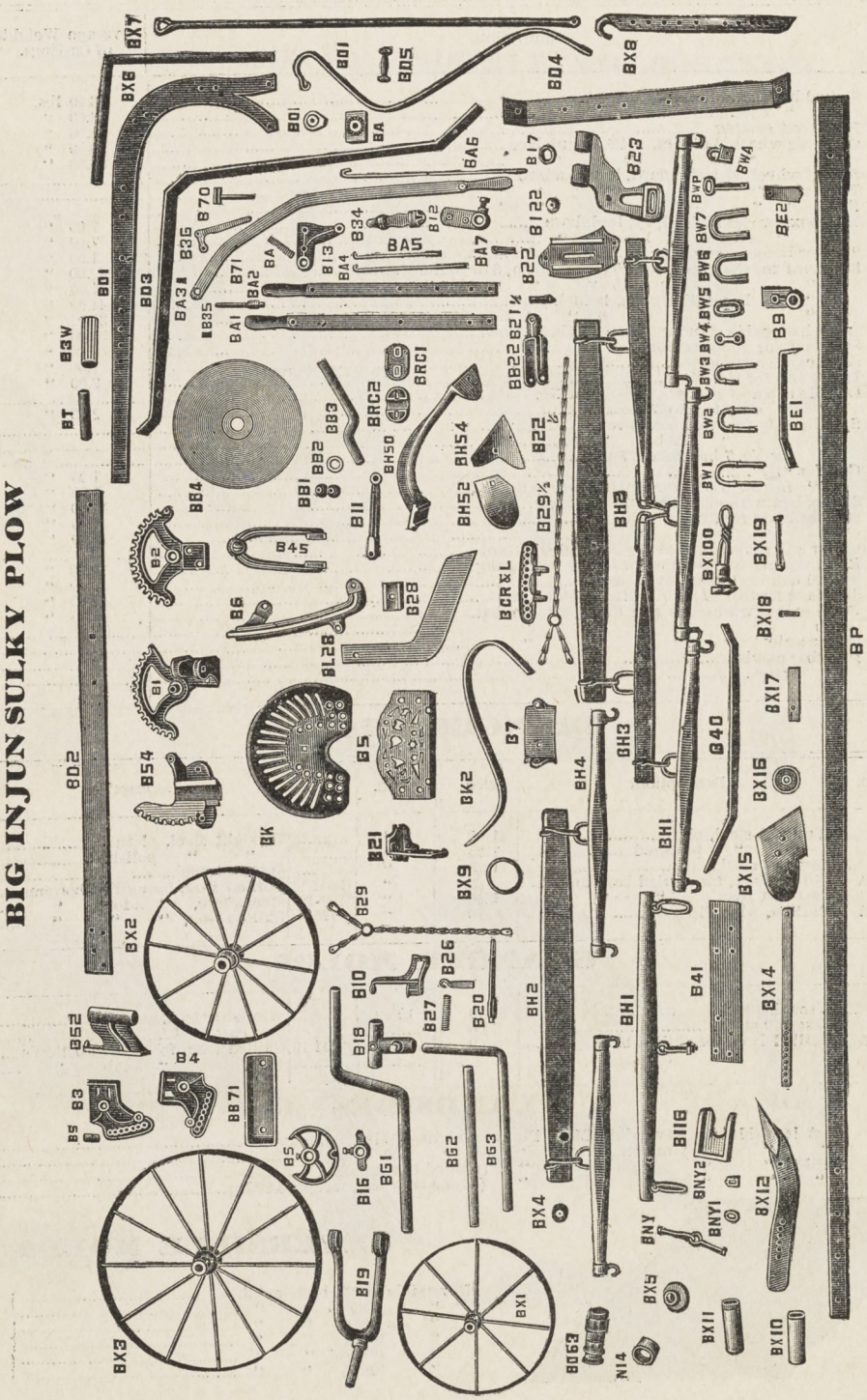


REVERSIBLE MOLDS

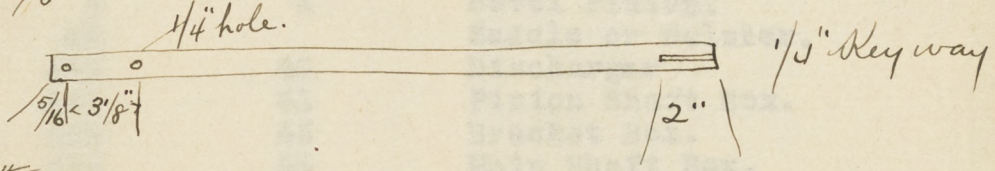
Reversible	8x¼ inch mold	per lb.
"	8x5-16 " "	
"	8x⅜ " "	
"	10x¼ " "	
"	10x5-16 " "	
"	10x⅜ " "	

When ordering give name of plow, size and thickness of mold.
When ordering always give numbers on castings.

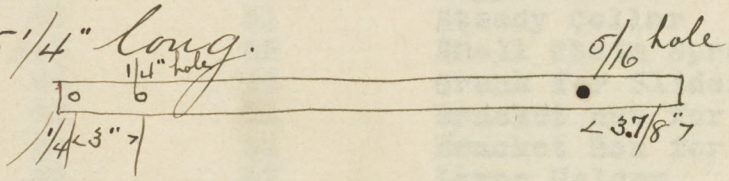
For complete bottoms see page 29.


BIG INJUN SULKY PLOW
BX7
BX8
B01
B05
B04
BX8
BA
BA5
B17
B23
BW4
B70
B35
B12
B122
BWP
BW7
BW6
BE2
B34
B13
BA4
BA7
B22
BA3
B71
BA2
BA
B835
BA1
B821/4
BW5
BW4
BW3
B9
BE1
BW2
B822
B883
BRC2
BRC1
B882
B881
BH50
B11
BH52
BH54
B822
B29 1/2
BH2
BW1
BX100
BX19
B45
B2
B84
B6
B28
B128
BCR&L
BX18
B54
B1
B5
BK
BX17
BP
BD2
BK2
B7
BH4
BH3
B40
BX16
BX2
B21
BX9
BH1
BX15
B29
B10
B826
B827
B20
B41
BX14
B52
B4
B18
B871
B3
B5
B85
B116
BNY2
BNY1
BX12
B816
B61
B62
B63
BX4
BNY
B19
BX1
BX3
BX11
BX10
BD63
BX5
N14

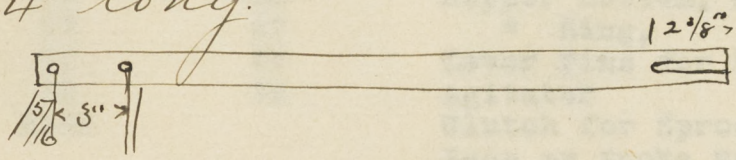
#38 Shaft for #172 seeders
26 1/8" long.
1 1/8" cold rolled.



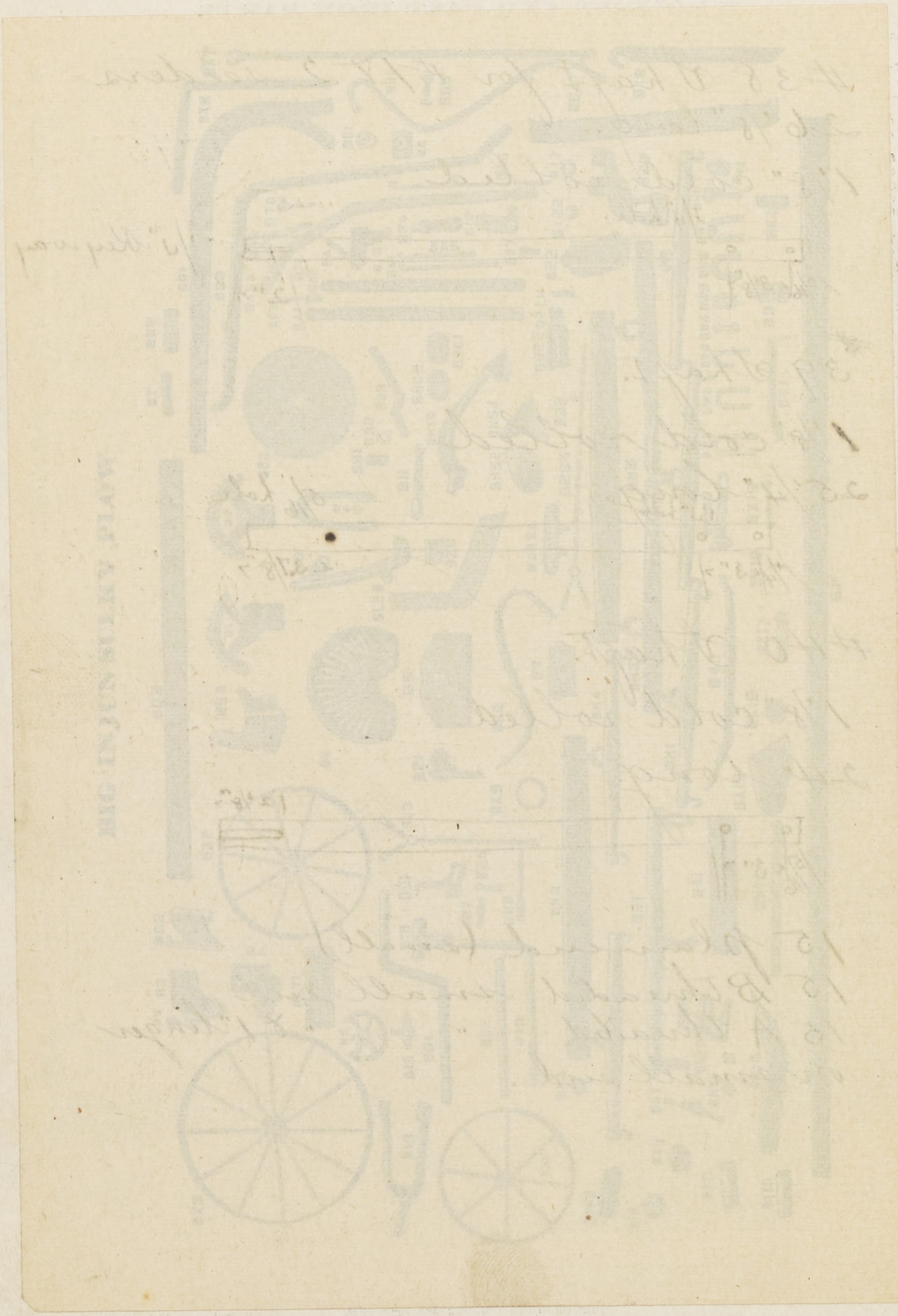
#39 Shaft.
1 1/8" cold rolled
25 1/4" long.



#40 Shaft.
1 1/8" cold rolled
24" long.



15 plain end (small)
15 B threaded small end
15 A threaded " " & 1" longer
w/ small end.



EXTRAS FOR ATLANTIC & PACIFIC SEEDERS.

****

Atlantic.	Pacific.	Description.
AG1	G1	Large Chain Wheel.
3	3	Bevel Pinion.
A5		Saddle or Bolster.
A40	40	Discharger
A41	41	Pinion Shaft Box.
A43	43	Bracket Box.
A44	44	Main Shaft Box.
AGG45	GG45	Hopper Bottom.
A46	46	Bevel Gear.
A47	47	Lever
A48	48	Hopper Bracket
51	51	Steady Collar
A52	52	Small Chain Sprocket
54	54	Crank for Slides.
55	55	Bracket nut for slide.
56	56	Bracket Box for slide
57	57	Lever Holder
58	58	Sleeve for Spring.
59	59	Slide Bar
60	60	Agitator
63	63	Grain Register
64	64	" "
65	65	Hopper Bottom, Cyclone
67	67	" Ring, "
77	77	Lever Pins for Slide
78	78	Agitator
A52C		Clutch for Sprocket.
		Loop pr Spoke Bolt.
		Large Wood Hopper
		Sheet iron Hopper, Cyclone
		Main shaft.
"S" Discharger shaft A. 81		Pinion of Discharge Shaft.
		Saddle or Bolster.
		Washer
		Bolt to hold Seeder to Wago
		Chain
		Slide Rod
		Upper Slide
		lower "
		Spring.
		Lever for lpwer slides.

Description.	Pattern.	Catalogue.
Frame Chain Wheel.	10	101
Bevel Pinion.	6	2
Spindle of Bottom.		42
Driving Pinion.	40	A40
Bracket Box.	42	A41
Main Shaft Box.	44	A42
Hobbed Bottom.	44&42	A42&42
Bevel Gear.	44	A44
Pawl	47	A47
Hobbed Bracket	48	A48
Sprocket Collar	51	51
Small Chain Sprocket	53	A53
Crank for Spindle.	54	54
Bracket-nut for Spindle.	55	55
Bracket Box for Spindle	56	56
Pawl Holder	57	57
Stopper for Spring.	58	58
Spindle Nut	59	59
Washer	60	C0
Crank Washer	62	62
Hobbed Bottom, Sprocket	63	63
" "	64	64
Hobbed Bottom, Sprocket	65	65
Pawl Pin for Spindle	67	67
Pawl Pin for Spindle	68	68
Washer	69	C9

Clutch for Sprocket.
Peep by Spoke Bolt.
Frame Hood Hobbed.
Speed Tion Hobbed, Sprocket
Main Spindle.
Pinion of Diagonal Spindle.
Bracket to Bolster.
Washer.
Bolt to hold Bracket to Main
Chain
Slide Rod
Upper Slide
Lower "
Spring.
Lever for lower Slide.

EXTRA FOR PACIFIC & ATLANTIC EXCHANGE.

BAKER & HAMILTON

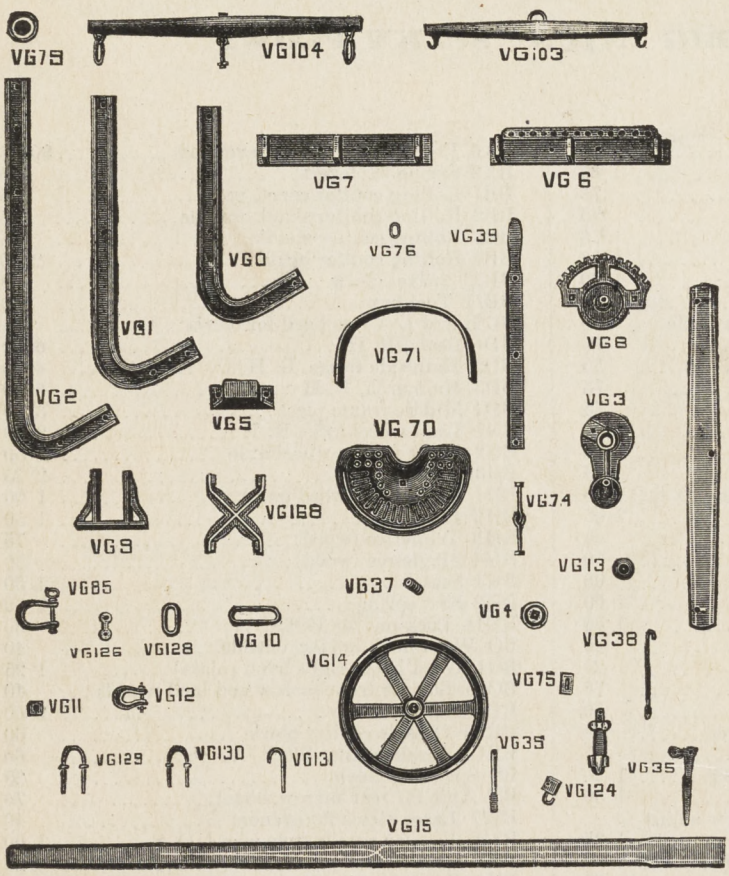
GALE "BIG INJUN" SULKY PLOWS

B 1	Ratchet for rear furrow wheel	$1 50
B 2	Ratchet for land wheel	1 00
B 3	Side clevis on beam, L. H	75
B 4	" " " R. H	75
B 5	Foot rest	75
B 6	Beam grip or slide	1 50
B 7	Seat spring holder	1 00
B 8	Circle for castor wheel	75
B 9	Casting for rear end furrow wheel axle	50
B10	Dog holder for castor wheel	75
B11	Crank to furrow wheel	50
B12	Land wheel grip for lever	75
B13	Furrow " " " "	75
B15	Old style rolling colter shank	50
B16	Trip chain evener	50
B17	Pole iron holder	50
B18	Forward furrow wheel axle holder, O. S.	1 00
B19	Yoke for castor wheel	2 00
B20	Dog for B10	50
B21	Foot rest holder	50
B22	Swivel clevis	90
B23	Pole casting	1 00
B24	Furrow wheel casting	1 50
B26	Trip chain hook for B10	25
B27	Spring for B10	20
B29	Trip chain	75
B34	Lever spring slide	50
B35	Dog for land wheel and plow lever	25
B36	Latch for lever	25
B38	Forward furrow wheel axle holder	1 50
B45	Rolling colter yoke	1 50
B50	Ratchet casting, new style furrow adjustment	1 25
B52	Slide casting, new style furrow adjustment	1 00
B71	Dog holder for F. F. W. lever	20
B1–	Frog casting for bottom	3 50
BA	Weed hook holder, inside	40
BA1	Land wheel lever only	1 00
BA2	Plow lever only	1 00
BA3	Front furrow wheel lever only	1 75
BA4	Land wheel lever rod	25
BA5	Plow lever rod	25
BA6	Front furrow wheel lever rod	$0 35
BA8	Spring for levers	20
BB1	Rolling coulter cones, pair	25
BB2	Rolling coulter shank washer	15
BB3	Rolling coulter shank	75
BB4	Rolling coulter blade	2 00
BB22	Swivel clevis	90
BB71	Tool box	90
BC	R and L. Cross head for clevis	75
BD1	Beam, R. H	6 00
BD2	Main side frame, R. H	4 50
BD3	Main arch, R. H	5 00
BD4	Middle frame piece	3 00
BG1	Land wheel axle, R. H	2 50
BG2	Front furrow wheel axle	1 50
BG3	Pole standard	2 25
BH1	Neck yoke (wood only)	1 00
BH2	Evener	1 50
BH3	Tripletree (wood)	75
BH4	Singletree (wood)	50
BK1	Seat	1 50
BK2	Seat spring	2 50
BN14	Lock nut for BO69	30
BO	Weed hook holder, outside	40
BO1	Weed hook, right hand (plain)	1 25
BO69	Box for front furrow and land wheels	40
BP	Pole, wood only	2 50
BRC1	Outside coulter block	60
BRC2	Inside coulter block	60
BS	Spool for clevis	25
BT	Axle for rear furrow wheel	75
BW7	Large clevis for eveners	40
B3W	Box for rear furrow wheel, O. S	1 00
BX1	Rear furrow wheel, complete	3 25
BX2	Front furrow wheel, complete	3 50
BX3	Land wheel, complete	4 00
BX4	Washer for all wheels, inside or outside	25
BX5	Rolling coulter side, each	60
BX100	Wrench	75
BX16	Beam jointer block	40
BX17	Rolling coulter guide iron	25

SHARES, MOLDBOARDS AND LANDSIDES

	Size, inches.	Chilled Shares.	Steel Shares.	Slip-nose Shares.	Chilled Moldboards.	Steel Moldboards.	Chilled Landsides.	Steel Landsides
Chilled bottom, No. 15A	14	No. 15, 60c.	No.15,$4 50	No. 15, 85c	No.15A, $4 50	.....	No. 15B, $1 25	.....
" " " 15A.	16	"15A, 60c.	" 15A, 5 00	" 15A, 85c.	" 15A, 4 50	.....	" 15B, 1 25	.....
Steel " " B1..	14	" 14, 90c.	" B1, 4 50	.....	.....	$5 50	.....	$2 50
" " " A14.	14	.....	" A14, 4 50	.....	.....	5 50	.....	2 50
" " " B7..	16	No. 16, 90c.	" B7, 5 00	.....	.....	6 50	.....	3 00

GALE VINEYARD GANG PLOW



No.	Description.	Price
V. G.	0, Short beam	$1 75
"	1, Middle beam	2 00
"	2, Long beam	2 25
"	3R, Wheel standard right hand	1 25
"	3L, Wheel standard, left hand	1 25
"	4, Large cast washer	20
"	5, Rear tongue casting	1 00
"	6, Clevis casting	1 50
"	7, Rear cross bar to frame	1 50
"	8, Lever arch Rachet	75
"	9, Front tongue casting	1 25
"	10, Link for front clevis	15
"	11, Washer	15
"	12, Front clevis, small	25
"	13, Small cast washer	15
"	14, Wheel	2 00
"	15, Pole	2 50
"	16, Wheel standard, R	1 25
"	17, " " L	1 25
"	34, Lever slide	25
"	35, Lever dog	25
"	36, " latch	25
"	37, " spring	15
"	38, " rod	25
"	39, " bar	1 00
"	70, Seat	1 50
"	71, Seat spring	2 50
"	74, Neckyoke center hinge	50
"	79, " ring	25
"	85, Singletree clevis	30
"	168, Malleable set-off	1 00

Chilled share, No. 2	$0 40
" mold, No. 2	2 00
" landside, No. 2	50
Cast frog, No. 0	1 50

ROCHESTER GANG PLOW

Description—	Price.
Chilled points	$0 40
" landsides	30
Moldboard	2 50
Standard	2 50
Wheel, front, large	2 75
" hind, small	2 50
Axle, front	2 00
" hind	2 00

Description—	Price
Ratchet circle	$1 25
Large clevis	75
Small clevis and ring	50
Large sand cap	20
Small "	10
Spring	25
Wrench	25

FARMER'S FRIEND GANG PLOW

Description—	Price.
Wheels	$3 00
Standard, high, 20 in	2 75
" low, 16 in	2 25
Axles for high standard plow, front	2 50
" " low " " "	2 50
" " high " " hind	2 25
" " low " " "	2 25
Sand collars	25
Axle clips	15
" ties	10

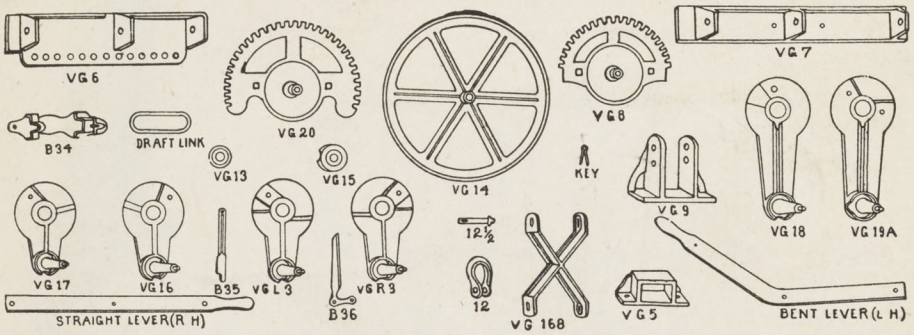
Description—	Price
Circles	$1 00
Cast points, No. 0	60
Steel " "	2 00
Landsides	50
Moldboards	2 50
Clevis for high standard plow	75
" " low " "	25
Bell crank	75
Axle journal	25

MOLINE SULKY PLOW

No.	Size.	Points.	Steel Plates for Lands.	Molds.
SD1	12-inch	$4 00	$1 50	$5 00
D1	14-inch	4 50	1 75	6 00
D10	16-inch	5 00	1 75	6 50

REPAIRS FOR

GALE VINEYARD 3-GANG PLOW



G5	Rear Pole Casting on Frame	$1 00
VG6	Front Clevis Bar, new style, extra heavy	1 50
VG7	Rear Cross Bar, new style, extra heavy	1 50
G8	Lever Racthet	75
G9	Front Pole Casting on Frame	1 25
VG13	Lever Arm Washer	15
VG14	Wheel	2 00
VG15	Wheel Sand Cap, new style	20
VG18	R. H. Wheel Axle	1 25
VG19	L. H. Wheel Axle	1 25
VG19A	" " "	1 25
VG20	Lever Ratchet	1 00
VG21	Rear Cross Bar	1 50
VG22	Front Cross Bar	1 50
VG23	Rear Cross Bar	1 25
VG24	Front Cross Bar	1 25
R3	R. H. Wheel Axle, old style	1 00
L3	L. H. Wheel Axle, old style	1 00
B34	Spring Case on Lever	25
B35	Lever Dog	25
B36	Lever Latch	25
B12	Clevis	25
B12½	" Pin	15
B168	Set Off	1 00
	Straight Lever only	1 00
	Bent Lever only	1 00
	Draft Link	20
	Pole, wood only	2 50
	Seat	1 50
	Seat Spring	2 00
	Lever Rod	25
	Short Beam only, new style, extra high and heavy	3 00
	Middle Beam only, new style, extra high and heavy	3 25
	Long Beam only, new style, extra high and heavy	3 50
	Fourth Beam only, new style, extra high and heavy	4 50
	No. O Frog	1 25
	Steel Moldboard	3 00
	Chilled Moldboard	1 25
	Landside, Chilled	35
	Share, Plain Chilled	35
	Share, Slip Nose	50
	Bottom, complete with Steel Moldboard	5 00

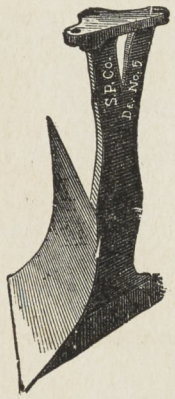
BAKER & HAMILTON,

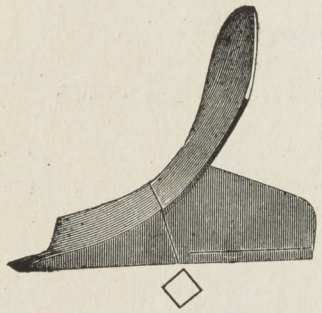
LOS ANGELES, CAL.

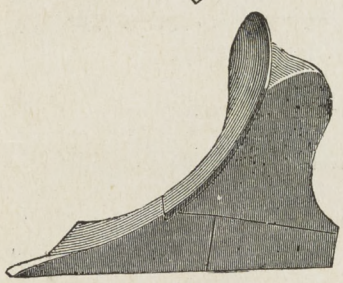
SOLE PACIFIC COAST AGENTS FOR THE

Genuine Gale Orchard Gang Plow

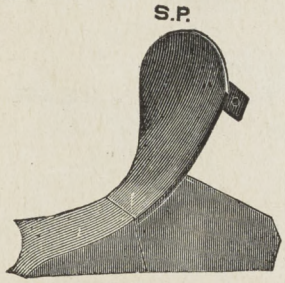
BUY NO OTHER. **Beware of Worthless Imitations.**







S.P.



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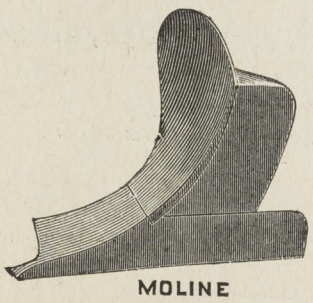


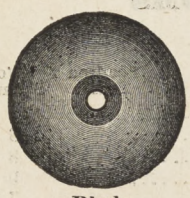
MOLINE

GANG PLOW BOTTOMS

Size.	Description.	For Iron Beam.	For Wood Beam.
8-in.	Granger steel bottom and extra share		$ 7 75
10-in.	" " " "		8 50
8-in.	" C. C. S. " "		8 25
10-in.	" " " "		9 00
8-in.	" chilled " "		7 25
10-in.	" " " "		8 00
10-in.	" adobe " "		15 00
8-in.	Reversible bottom, ¼ mold, no extra share		3 75
8-in.	" " 5-16 " " "		4 00
8-in.	" " ⅜ " " "		4 25
10-in.	" " ¼ " " "		4 00
10-in.	" " 5-16 " " "		4 25
10-in.	" " ⅜ " " "		4 50
10-in.	Eureka, Hill's slip-share bottom and extra share	$15 00	....
12-in.	" " " " "	15 00	....
14-in.	" " " " "	16 00	....
10-in.	" <2> " " "	15 00	...
12-in.	" <3> " " "	15 00	....
14-in.	" <4> " " "	16 00	....
10-in.	" S. P. No. 2 " " "	15 00	16 00
12-in.	" S. P. No. 3 " " "	15 00	16 00
14 in.	" S. P. No. 4 " " "	16 00	17 00
10-in.	" S. P. No. 2C fin-cutter bottom and ex. share	16 50	17 50
12-in.	" S. P. No. 3C " " "	16 50	17 50
14-in.	" S. P. No. 4C " " "	17 50	18 50
10-in.	" Moline bottom and extra share	15 00	16 00
12-in.	" " " "	15 00	16 00
14-in.	" " " "	16 00	17 00
10-in.	" Collins " "	21 00	22 00
12-in.	" " " "	21 50	22 50
14-in.	" " " "	22 50	23 50
10-in.	" Adobe " " 179–10	12 50	....
12-in.	" " " " 179–12	15 00	....
8-in.	Peerless, bottom and extra share, No. 8P	10 00	....
10-in.	" " " No. 10P	11 00	....
12-in.	" " " No. 12P	12 00	....
10-in.	" Adobe bottom and extra share, 179–10	12 00	....
12-in.	" " " " 179–12	13 00	....
10-in.	Gale bottom and extra share, No. 32½	9 00	....
10-in.	" " " No. 37½	9 00	....
12-in.	" " " No. 34½	10 00	....
10-in.	Eureka chilled bottom and extra share, OB5	9 00	....
10-in.	" " " " O20	9 00	....
12-in.	" " " " O40	10 00	....
12-in.	Deep-tiller bottom and ex. share, fin cutter on bot	22 00	....
14-in.	" " " " "	25 00	....
15-in.	" " " " "	27 50	....
16-in.	" " " " "	30 00	....
18-in.	" " " " "	33 00	....
20-in.	" " " " "	38 00	....
14-in.	Tule bottom and extra share	30 00	....
16-in.	" " "	35 00	....
18 in.	" " "	40 00	....
20-in.	" " "	45 00	....
24-in.	" " "	50 00	....
14-in.	Stubble bot. for 9C and 109C Eureka and ex. share	30 00	....
16-in.	" " " " " "	35 00	....
18-in.	" " " " " "	40 00	....
20-in.	" " " " " "	45 00	....
24-in.	" " " " " "	50 00	....

We have made a great number of Special Bottoms, prices of which we will send on application.

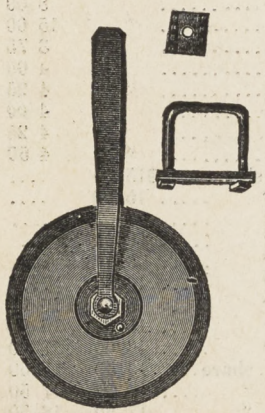
PLOW COLTERS



Blade.

ROLLING COLTER BLADES

Size	10 in.	12 in.	13 in.	14 in.	15 in.	16 in.	18 in.	20 in.
Price	$1 00	$1 25	$1 50	$1 75	$2 00	$2 25	$3 50	$4 00



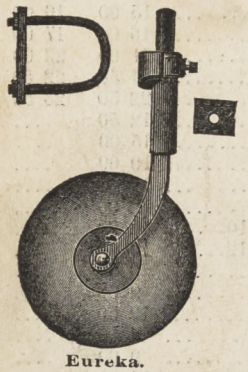
Flat Standard.

ROLLING COLTERS, WITH FLAT STANDARD AND BEAM CLAMP

For Wood Beam Single Plows

Furnished with wrought-iron Standard, Riveted Hub and Cone Bearings.

Size	10 in.	12 in.	14 in.	16 in.
Price	$2 50	$3 00	$3 50	$4 00



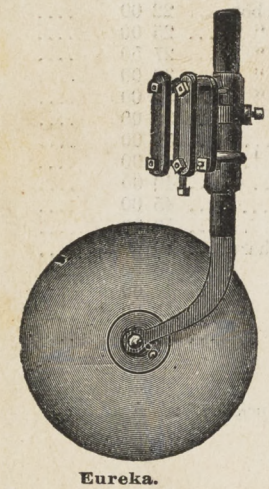
Eureka.

EUREKA ROLLING COLTERS, WITH 1⅛-IN. SWIVEL STANDARD AND 32F CASTING

For Wood Beam Single Plows

This is a very strong Swivel Colter.

Size	10 in.	12 in.	14 in.	16 in.
Price	$5 00	$5 50	$6 00	$6 50



Eureka.

EUREKA ROLLING COLTERS, FOR IRON BEAM SULKY PLOWS

Size of Beam.	Size of Standard.	Colter Casting.	Size of Blade. 10 in.	12 in.	14 in.	16 in.
3½ in.	1¼ in.	32D	$5 00	$5 50	$6 00	$6 50
3½ in.	1½ in.	32L	4 50	5 50	6 25	7 25
5 in.	1½ in.	32J	.....	.....	.....	7 50
5 in.	1½ in.	68	.....	.....	6 50	7 50

ROLLING COLTERS, WITH 1-IN. STANDARD, BEAM CLAMP AND SWIVEL YOKE

(Not shown in cut.)

These Colters can be furnished with clamps, suitable for any size of wood or iron beams desired.

Size	10 in.	12 in.	14 in.	16 in.
Price	$3 50	$4 00	$4 50	$5 00

All our Colters have riveted hubs, and patent cone bearings to exclude sand and grit and take up wear.

Made expressly to fit Plows sold on this Coast.

.....COULTER REPAIRS.....

NO.		PRICE
1	Hub, Right or Left, for 7-16 inch Bolt	$ 25
2	Cone, " " " for Wrought Jaws and 7-16 inch Bolt	25
4	Clamp, Inside, for Wood Beam and 1⅛ inch Standard	45
5	" Outside, " " " " " " "	45
7	" Inside, " " or Steel Beam and 1 inch Standard	40
8	" Outside, " " " " " " " "	40
10	" Inside for 3½ inch Beam and 1⅛ inch "	45
10A	" " " 3½ " " " 1⅛ " "	45
10B	" " " 3½ " " " 1¼ " "	45
10C	" " " 3 " " " 1¼ " "	45
10D	" " " 4 " " " 1⅜ " "	50
10E	" " " 4 " " " 1¼ " "	45
10F	" " " 5 " " " 1⅜ " "	50
10G	" " " 5 " " " 1½ " "	60
11	" Outside, " 3½ " " " 1⅛ " "	45
11A	" " " 3 " " " 1⅛ " "	45
11B	" " " 3½ " " " 1¼ " "	45
11C	" " " 3 " " " 1¼ " "	45
11D	" " " 4 " " " 1⅜ " "	50
11E	" " " 4 " " " 1¼ " "	45
11F	" " " 5 " " " 1⅜ " "	50
11G	" " " 5 " " " 1½ " "	60
12	Holder for Wrought Jaws for 1⅛ inch Standard	50
13	" " " " " " "	50
14	Wedge for Top of Iron or Steel Beam	15
15	Holder for Wrought Jaws and 1½ inch Standard	60
16	Hub, Right or Left, for ¾ inch Bolt	35
25	Swivel Box for Peerless Beam and 1¼ inch Standard	2 00
32D	" " " 3½ inch Steel Beam and 1¼ inch Standard	2 00
32F	(U. K. 5) Swivel Box for Wood " " 1⅛ " "	1 00
32L	(U. K. 36) " " " 3½ inch Steel Beam and 1½ inch Standard	2 00
32J	Swivel Box for 5 inch Steel Beam and 1½ inch Standard	2 25
A35	Wedge for Wood Beam	20
68	Swivel Box for 5 inch Beam and 1½ inch Standard	2 25
126	Swivel Box for Peerless Beam and 1 inch Standard	1 50
A	Cone, Right or Left, for Malleable Fork and 7-16 inch Bolt	25
B	Cone, With Lug, Right or Left, for Malleable Fork and 7-16 inch Bolt	25
C	Hub, Right or Left, for 7-16 inch Bolt	25
185	Fork for 14 and 15 inch Blade and 1¼ inch Standard	1 25
185A	" " 14 " 16 " " " 1¼ " "	1 25
186	" " 10 " 12 " " " 1⅛ " "	1 00
188	Collar for 1⅛ inch Standard	25
189	" " 1¼ " "	30
190	" " 1⅜ " "	30
191	Fork for 18 and 20 inch Blade and 1⅜ inch Standard	2 00
	Pipe Bushing	20
	Octagon Bushing for 11-16 inch Bolt	35
	Jaw for No. 12 Holder, Wrought	1 25
	" " " 13 " "	1 25
	" " " 15 " "	1 50
	Clip for Wood or Steel Beam, Wrought	50
	Yoke for Clip for Wood or Steel Beam, Wrought	20
	Flat Standard, Forked for 10 inch Coulter, "	1 25
	" " " " 12 " " "	1 50
	" " " " 14 " " "	1 75
	" " " " 16 " " "	2 00
	Cranked Standard 1 inch Round "	75
	" " 1⅛ " " "	1 00
	" " 1¼ " " "	1 25
	" " 1⅜ " " "	1 50
	" " 1½ " " "	1 75
	" " 1½ " Square "	3 00
	Clamp for 5 inch Beam and 1½ inch Square Standard, Wrought	1 25

PLOW COULTERS

—MANUFACTURED BY—

Benicia Agricultural Works, Benicia, California.

ROLLING COULTER BLADES.

	WITHOUT HUBS	WITH HUBS
10 inch	$1 00	$1 50
12 "	1 25	1 75
13 "	1 50	2 00
14 "	1 75	2 25
15 "	2 00	2 50
16 "	2 25	2 75
18 "	3 50	4 25
20 "	4 00	4 75

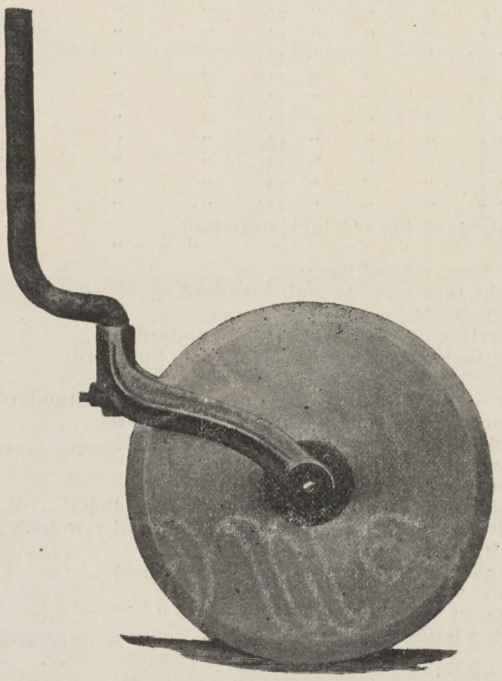
ROLLING COULTERS

—WITH—

Beam Clamp and Flat Standard.

FOR WOOD BEAM PLOWS.

10 inch	$2 50
12 "	3 00
14 "	3 50
16 "	4 00



Rolling Coulters for Wood or Steel Beam Plows.

WITH WROUGHT IRON BEAM CLAMP

1½ INCH SQUARE STANDARD

12 inch	$5 25
14 "	5 75
15 "	6 00
16 "	6 25
18 "	8 50
20 "	9 00

With Swivel Standard and Malleable Iron Fork.

SIZE OF STANDARD		
10 inch	1⅛ inch	$4 25
12 "	1⅛ "	4 50
14 "	1¼ "	4 75
15 "	1¼ "	5 00
16 "	1¼ "	5 25
18 "	1⅜ "	8 50
20 "	1⅜ "	9 00

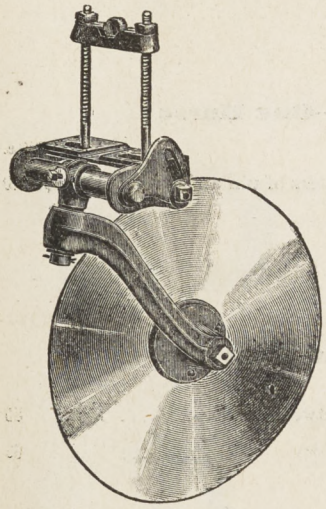
STANDING AND STRAIGHT COULTERS.

24 inch With Beam Clamp	$2 60
26 " " " "	2 75
For Benicia Grub Breaker Plow	$3 00
" " Road Plow	4 00

CUTTERS.

Fin. Large	$2 00
" Medium	1 75
" Small	1 50
Quincy, Blade Only	$1 75
" With Clamp	2 25

PLOW COLTERS—Continued



Gale.

"GALE" ROLLING COLTER

WILL FIT THAT PLOW OF YOURS.

No matter what make it is, Wood or Steel Beam, Right or Left Hand, fits the Beam closely.

Will adjust to or from the land, and shallow or deep.

No holes are bored in Beam, nor are wedges necessary to make it fit.

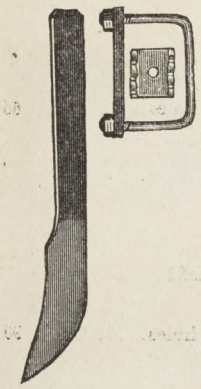
The adjustments are independent of Clamp or Beam.

As the Blade is free and works easily it keeps in line and never gets out of place, and as a whole is constructed scientifically, and we think a trial will convince you that it is a most practical colter.

It has riveted hubs and cone bearings.

10 inch.....$2 50 12 inch.....$3 00 14 inch.....$3 50

STRAIGHT COLTERS WITH BEAM CLAMPS



Straight.

This Knife coulter is made of the best steel, and the clamp is same as used on our flat standard Rolling colters.

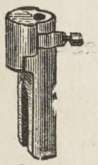
24 inch.....$2 60 26 inch.....$2 75

GRUB BREAKER COLTERS

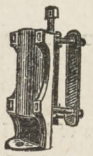
For Benicia Grub breaker.....$3 00
" Moline " 3 00

FIN-CUTTERS

Large.....$2 00
Medium..... 1 50



32 F.



32 D.

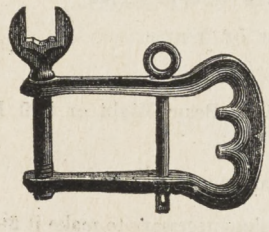
32 J.

COLTER EXTRAS

No. 1	Chilled hub, R. or L. for 7-16 inch bolt	$0 25
" 2	" cone, R. or L. for colter wrought jaws for 7-16 bolt	25
" 4	Clamp inside for wood beam for colter standard 1½ inch	45
" 5	" outside " " " " " " 1⅝ "	45
" 7	" inside " " or iron beam for colter standard 1 inch	40
" 8	" outside " " " " " " 1 inch	40
" 10	" inside " iron " " " " 1⅛ "	45
" 11	" outside " " " " " " 1⅛ "	45
" 12	Cast holder for wrought jaw for 1⅛ standard	55
" 13	" " " " " " 1⅛ "	50
" 14	Top wedge of clamp for iron beam	25
" 15	Cast holder for wrought jaw for 1½ standard	60
" 16	Cast hub for colter blade R. or L. for ¾ bolt	35
" 32 D	Swivel colter casting for 1¼ standard 3½ inch iron beam	2 00
" 32 F	" " " " 1⅛ " wood beam	1 00
" 32 L	" " " " 1½ " 3½ iron beam	2 00
" 32 J	" " " " 1½ " 5 inch iron beam	2 25
" 68	" " " " 1½ " 5 " " "	2 25

MALLEABLE CLEVISES FOR PLOW BEAMS

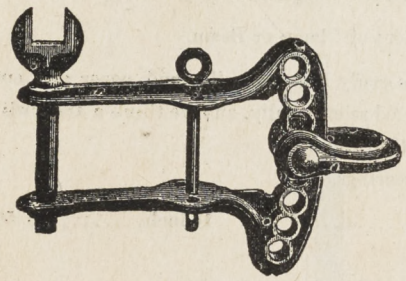
Order by Number



For Wood Beam—One Horse

Price.

No. 711. For 2¼ Beam, 3¼ in. between centers of pin and wrench..... $0 40



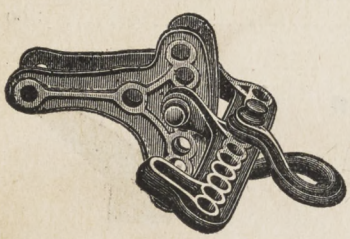
For Wood Beam—Two Horses

No. 728. For 2½ in. Beam, 4¼ in. between centres..... 50

No. 728½. " 2⅝ " " 4⅜ " " " 65

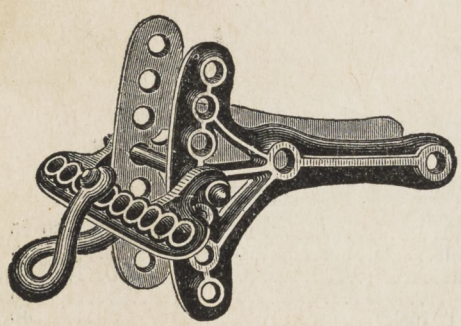
For Steel Beam

No. 737. For ¾ in. Beam, 3¼ in. between centres of bolt holes..... 65



For Steel Beam—Side Draft

No. 736. For ¾ in. Beam, 3¼ in between centres of bolt holes..... 90



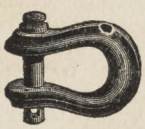
For Wood Beam—Three Horse

No. 729. For 3 in. Beam—

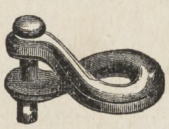
4½ in. between centres of bolt holes..... 75

No. 729½. For 3 in. Beam, takes wheel straps—

5 in. between centres of holes..... 75



No. 701. Straight end.....$0 10
¾ in. inside; 3 ¼in. long.



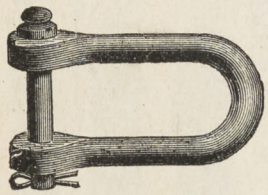
No. 708. Twist end $0 10
¾ in. inside; 4 in long.

No. 764. Ring.....$ 0 10
2½x3 in. inside.

CROSS CLEVISES, with pin, for Nos. 737, 736, 729 and 729½ clevises..... 20

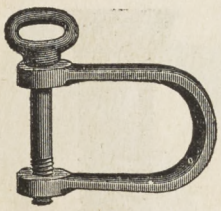
MALLEABLE CLEVISES FOR WHIFFLETREES

Order by Number.



Round Pattern, Round Pin

No. 696, one-horse, length 5 in., inside width $1\frac{3}{4}$ in., price $0 15
" 697, two " " $5\frac{1}{2}$ " " " $1\frac{3}{4}$ " " 20
" 698, three " " $6\frac{1}{4}$ " " " $1\frac{7}{8}$ " " 20
" $698\frac{1}{2}$, " " " $6\frac{1}{4}$ " " " $2\frac{1}{2}$ " " 25

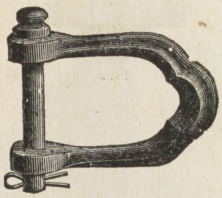


Oval Band Pattern, Screw Pin

No. $703\frac{1}{8}$, three horse, length 6 in., inside width $2\frac{1}{2}$ in., price $0 20

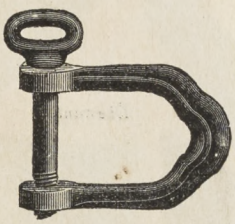
Oval Band Pattern, Round Pin

No. $702\frac{1}{2}$, three-horse, length 6 in., inside width $2\frac{1}{2}$ in., price $0 20



Fancy Ribbed Pattern, Round Pin

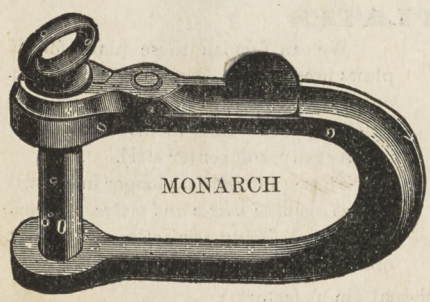
No. $705\frac{1}{2}$, one-horse, length $4\frac{1}{2}$ in., inside width 2 in., price $0 15
" $705\frac{3}{4}$, two " " $5\frac{1}{4}$ " " " 2 " " 20



Fancy Ribbed Pattern, Screw Pin

No. $705\frac{3}{8}$, one-horse, length $4\frac{1}{2}$ in., inside width 2 in., price $0 15
" $705\frac{5}{8}$, two " " $5\frac{1}{4}$ " " " 2 " " 20

THE MONARCH CLEVIS



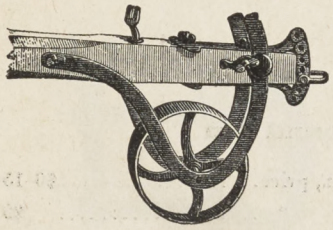
The only safe Clevis made. The latch does not rust fast or freeze tight. Spring never breaks and pin never slips. No pulling of Clevis apart.

PRICES.

No. 1, 2 inch inside measure, $4\frac{1}{2}$ inches extreme length $0 20
" 2, 2 " " " $5\frac{1}{4}$ " " " 20
" 3, $2\frac{1}{4}$ " " " 6 " " " 25

Sold only by us or our Agents.

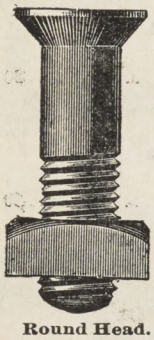
PLOW WHEELS



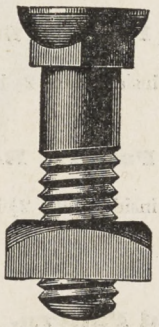
Wheel rigs—complete.	Price.	Wheels only.	Price.
6 inch Double Strapped	$1 40	6x2¼ inch face	$0 50
7 " " "	1 45	7x2⅜ " "	55
8 " " "	1 50	8x2⅜ " "	60
10 " " "	2 00	10x2½ " "	1 00
Knapps " "	1 75	7x2¼ " "	55
7½ inch " " extra heavy.	4 00	7½x4 " "	1 50
10 " " " " "	4 50	10x4½ " "	2 00

Cast Ears for plow wheel straps, per pair $0 15
Bolt with wing nut, each 15

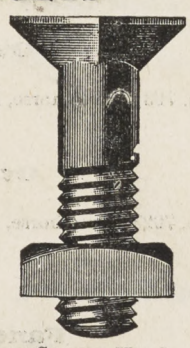
PLOW BOLTS



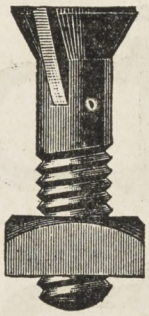
Round Head.



Round Head Short Square.



Square Head.



Tit.

PRICE LIST—Per Hundred

Length.	3-8 in.	7-16 in.	1-2 in.	5-8 in.
1 in.	$2 00	$2 60	$3 50	
1¼	2 00	2 60	3 50	$5 70
1½	2 10	2 75	3 70	6 00
1¾	2 20	2 90	3 90	6 30
2	2 30	3 05	4 10	6 60
2¼	2 40	3 20	4 30	6 90
2½	2 50	3 35	4 50	7 20
2¾	2 60	3 50	4 70	7 50
3	2 70	3 65	4 90	7 80
3¼	2 80	3 80	5 10	8 10
3½	2 90	3 95	5 30	8 40
3¾	3 00	4 10	5 50	8 70
4	3 10	4 25	5 70	9 00

Subject to Discount.

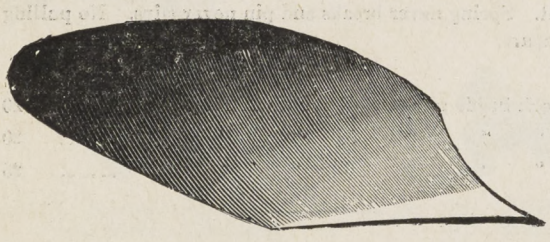
Subject to Discount.

REPAIR PLOW BOLTS

We carry a line of Plow Bolts, all sizes, especially adapted for repair work. They are made with a special small head calculated to come flush with the face of a partly-worn share or moldboard, thus fitting without the use of chisel or file. The above cuts show heads one third larger than actual size of repair bolt.

When ordering, specify Baker & Hamilton's Repair Plow Bolts.

SHARE AND MOLD PLATES

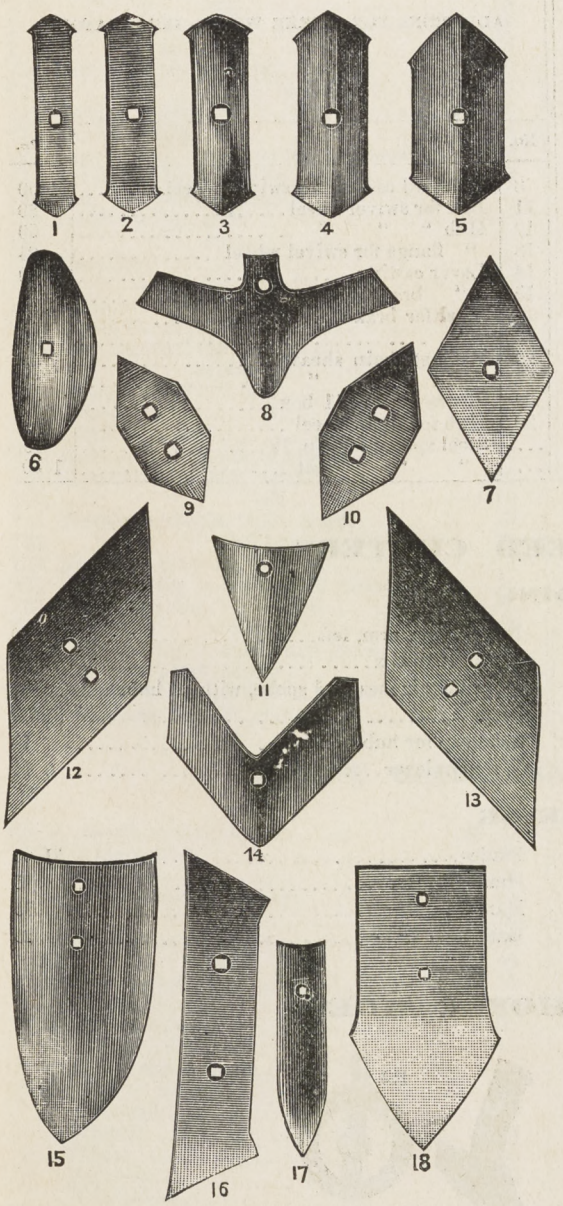


We can furnish these plates for all plows used on the Coast. We have but one quality (the best) of share plates—crucible steel. Our molds are of best quality only, soft center steel.

These plates are no longer in general use, *as complete shares and molds*, polished and bolted, fitting perfectly, are readily obtained from agents at low prices.

Hand-made shares and molds never *fit* like those made from the original die at factory.

LIST OF CULTIVATOR MOLDS



		Price.
No. 0,	Reversible Point, 1¼ x 8 in	$0 15
" 1,	" " 1½ x 8 in	15
" 2,	" " 2 x 8 in	20
" 3,	" " 2½ x 8 in	25
" 4,	" " 3 x 8 in	25
" 5,	" " 4 x 8 in	25
" 6,	" " 4½ x 8 in	25
" 6,	" " 6½ x 15 in	1 00
" 7,	" " 5 x 9 in	25
" 8,	Steel Sweep, 8 in. wide	35
" 8,	" " 10 "	40
" 8,	" " 12 "	45
" 8,	" " 14 "	50
" 8,	" " 15 "	60
" 9,	Reversible Point, 3 x 7 in	25
" 10,	" " 3½ x 8 in	25
" 11,	Cultivator Blade, 6 x 8 in	50
" 12,	Hiller Mold, left, 5½ x 9 in	50
" 13,	" " right, 5½ x 9 in	50
" 14,	Horse-hoe Sweep, 6 in. wide	50
" 15,	Shovel Plow Blade, 6 x 10½ in	1 00
" 15,	" " " 11 x 14 in	2 25
" 15,	" " " 13 x 15 in	2 50
" 16,	Reversible Blade, 3 x 13 in	1 00
" 17,	Grain Drill Point	20
" 18,	Riding Cultivator Mold, 3½ x 10 in	75
	" " " 5½ x 11 in	1 75

NOT SHOWN IN CUT.

Reversible Chisel Tooth for Star Garden Cult'r.	$0 40
" Tooth for Daisy Cultivator	40
" " (flat) for Eureka Chisel Cult'r.	1 25
" " (curved) for Benicia " " .	1 25
Cast Steel Standard and Tooth for Benicia Duck-foot Cultivator	2 00
Hiller Mold, right and left hand, for Iron-arm Horse-hoe	1 00
Rear Standard Blade for Iron-arm Horse-hoe	1 00
Blade for Benicia Walking Weed Cutter	1 00
" " " Riding "	2 00
Chilled Tooth for Benicia Riding Cultivator	30
" " " Estee Cultivator	25

DESCRIPTION.

Nos. 0, 1, 2, 3, 4, 5, 6 and 8 are used on the Iron Age and all similar Cultivators.

No. 6 (6½ x 15 in.) is used on the California and all similar Cultivators.

No. 7 is used on the all-wood-frame Garden Cultivators.

Nos. 9 and 10 are used on the Gorham Seeder and Cultivator.

No. 11 is used on the Hopkins Cultivator.

Nos. 12, 13 and 14 are used on the Iron Age and similar Horse hoes.

No. 15 is used on the Star and Avery Shovel Plows.

No. 16 is used on the Benicia Riding Cultivator.

No. 17 is used on the Grain Drills.—We furnish points with rivets to fit all drills.

No. 18 is used on the Riding Cultivators.—We furnish these molds for the Tiger, New Tiger, Eagle and Farmer's Friend Cultivators.

Prices include the necessary bolts. *Special head bolts to fit above molds, 1½ x ⅝. Per hundred, $2.50.*

BENICIA RIDING CULTIVATOR

TWO WHEEL

No.		Price.
1	Axle arm	$2 00
2	Lever roller box	1 00
4	" rack	1 50
150	" spring box	30
151	" latch handle	15
....	Wheel axle, with nut and washer	1 00
....	Main frame or head	2 50
....	Carrying wheel, heavy no hub	6 50
....	" " and light hub	4 50
....	Hub box for heavy wheel	1 00
....	" " light "	50
....	Break pin shank	75
....	Shovel fastening, no bolts	60
....	Seat irons, set of three	3 25
....	Seat	1 50
....	Iron beams long	3 50
....	" " short	3 00
....	Weed cutter knife, only 6 feet	6 50
....	" " " with standards	10 00
....	" " standard	1 50
....	" " sweep, 6 in.	50
....	Bent cultivator beam or standard	2 00
....	Sweep standard	40

ADDITIONS FOR THREE WHEEL CULTIVATORS.

No.		Price.
8	Standard casting for swivel wheel	$1 00
11	Box for swivel wheel	60
12	Hub " " "	50
13	" flange for swivel wheel	25
14	Lever casting	40
15	" brace casting	50
17	Pawl for brake	1 00
18	"	25
20	Ratchet chain sheave	1 50
21	Small " "	25
22	Sleeve for No. 11 box	25
29	Hub for light wheel	50
....	Steel spring for No. 18	75
....	" " " seat	1 50

BENICIA WEED CUTTERS

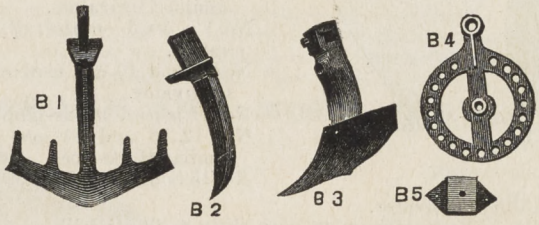
RIDING

Blades only	$2 00
" with standards	4 00
Standards only	2 00
No. 3, Lever ratchet, right hand	1 50
" 4, " " left "	1 50
" 5, Axle arm, right "	1 50
No. 6, Axle arm, left	$1 50
" 20, Hub box	1 00
Wheel, 32 inches, 1x⅝ spoke, without hub	8 00
Seat	1 50
Sand cap for hub box	10
Wrought lever	2 00

WALKING

Standards	$1 00
Wheel frame, R or L	50
Wheel only	50
Wheel rig, complete	2 00
Blades	$1 00
Handle brace	25
Handles only	75
Extension Irons	25

IRON ARM HORSE HOES



No. B1, Rear Standard, complete	$2 75
" B2, Front tooth	1 00
" B3, R Hiller, standard R	1 25
" B3, L " " L	1 25
" B4, Wheel, side plate, R or L	50
No. B5, Clamp casting	$0 40
Wheel rig, complete	2 00
Wheel only	75
Clevis	25
Extension bars, per pair	1 00

For molds and teeth see page 35.

FARMER'S FRIEND CORN CULTIVATOR

No.	Price.
Y 1, Connecting link	$0 75
Y 2, Cage for spring	1 00
Y 3, Collar for spring	40
Y 4, Spindle bearing right	2 25
Y 5, " " left	2 25
Y 7, Cross head, right	2 75
Y 8, " " left	2 75
Y10, Rear wood beam casting, top part	1 50
Y11, " " " " bottom part	2 25
Y12, Ratchet washer	25
Y13, Handle casting	90
Y14, Shank for 3d shovel on left iron bearing	90
Y15, Front iron beam casting	1 50
Y16, Rear iron beam casting	2 00
Y17, Spindle shield, right	60
Y18, " " left	60
Y19, Beam head	1 75
Y20, Pin for beam head, Y19	20
Y21, Ratchet washer, shovel shank	25
Y22, Shovel shank	1 00
Y23, Arch support, top part	1 25
Y24, " " bottom part	1 50
Y25, Collar for Y23 and Y24	60
Y26, Swivel arm	90
Y27, Swivel arm top	60
Y28, Bevel washer on side of tongue	20
Y29, Shank for 3d shovel, right	1 00
Y30, " " " left	1 00
Y31, Washer on shield, right hand	25
Y32, " for " left hand	25
Y33, Serrated washer for N30	25
Y34, Spool bearing in cross hitch piece	30
Y35, Spindle bearing, right hand	2 25
Y36, " " left hand	2 25
Y37, Spool bearing in cross hitch piece	60
Y38, Rear iron beam casting	1 50
Y39, Handle casting for Y38	1 00
Y40, Cross-head for Y38, right	4 50

No.	Price
Y41, Cross-head for Y38, left	$4 50
Y42, Sleeve in Y40 and Y41	90
Y43, Eye bearing for brace rod	30
Y44, Spindle bearing, right	2 25
Y45 " " left	2 25
Y46, Beam head	2 25
Y47, Clamp or rack for plunger rod	90
Y48, Bearing on spindle for parallel rod	60
Y49, Adjustable eye bearing for brace rods	60
Y50, Clamp or arch for plunging rod	90
Y60, Bearing for shovel shank on wood beam	1 00
Y61, Spindle and arch bearing, right hand	3 75
Y62, " " " left hand	3 75
Y63, Castor wheel	3 00
Y64, Coupling bearing on Y67 and Y68	1 00
Y65, Singletree hitch on Y61	90
Y66, Arm for Y63	2 25
Y67, Oval sleeve for Y64 on spindle, right	75
Y68, " " Y64 " left	75
Y69, Bearing for shovel shanks on steel beams	90
Y70, Handle casting on steel beams	90
Y71, Washer between steel beams	20
Y72, Bearing on front end of runner	25
Y73, Sleeve in Y63	45
Y74, Front wood beam casting	1 00
Y75, Bearing for shovel shanks on wood beam	1 00
Y76, " " " " "	1 00
Y77, Spindle and arch bearing, right	3 75
Y78, " " " left	3 75
Y79, Singletree hitch on Y77 and Y78	1 00
Y80, Serrated bearing on front end of beam for fenders	75
Y81, Bearing for third shovel shank	75
Y82, Serrated bearing on front end of beam for fenders	60
N 4, Axle washer, 1888	25
N19, Shovel back, straight	75

DAISY WALKING CULTIVATOR

No. 8, Shield casting	$0 20
" 22, Axle casting	1 25
" 23, Arch iron	1 75
" 24, Evener casting, bottom	30
" 25, " " top	20
" 26, Evener iron, R. H	40
" 27, " " L. H	40
" 33, Back end of pole	75
" 37, Clamp block	30
" 39, Shield holder	25
" 46, Handle iron	75
" 55, Front end of beam	1 00
" 57, Loop to spring	40
Arch collar	40
Wrench	50
Pole	2 00
Neckyoke	1 50
Whiffletrees	1 50

Tooth bar, single, each	$0 45
" double, each	90
Handles	50
Evener complete, wrought	3 00
Draft iron, wrought	50
Arch axle, wrought	1 00
Arch axle clip, wrought	25
Shields	1 00
Short evener	30
Hold-up	40
Coil spring	1 00
Coil spring staple	20
Steel wheels	3 00
Patent tooth, complete, double point	1 10
Reversible points, with back	40
Teeth caps	10
Teeth washers	10
Wheel washers	25

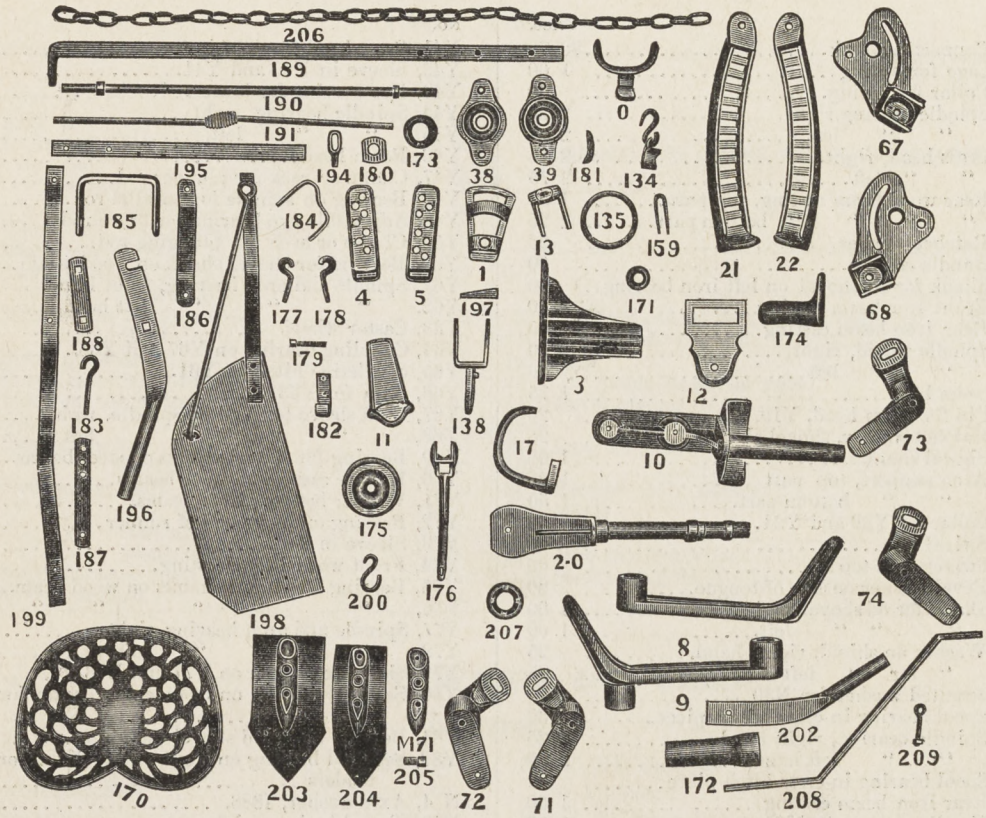
BENICIA AND EUREKA CHISEL-TOOTH CULTIVATORS

Benicia Curved Tooth	$1 25
Eureka Flat Tooth	1 25
Wrought standard for tooth	2 00
Front swivel wheel complete	7 50
Front swivel wheel only, with hub	2 25

Front swivel wheel complete with clevis	$10 00
Wrought clevis	2 50
Side wheel with wrought standard	6 50
Beam casting	75

When ordering, give number on casting wanted.

NEW TIGER CULTIVATOR



No.		Price Each,
0	Foot rest	$ 50
1	Shield casting	50
2–0	Shaft end of beam	1 50
3	Shaft socket	2 00
4	Right seat adjuster	50
5	Left seat adjuster	50
8	Right side arm	2 00
9	Left side arm	2 00
10	Axle	1 50
11	Pole tip	50
12	Slotted side arm casting	50
13	Hand lever casting	50
17	Lower foot rest	50
21	Left lever ratchet	1 00
22	Right lever latchet	1 00
38	Bottom evener plate	40
39	Top evener plate	40
134	Singletree hook	15
135	Neck yoke ring	15
138	Neck yoke swivel	45
159	Neck yoke staple	10
170	Seat	2 00
171	Swivel for No. 9	50
172	Hub thimble	40
173	Axle washer	10
174	Foot piece for treadle	45
175	Chain wheel	40
176	Wrench	35
177	Right hand lever hook	15
178	Left hand lever hook	15
179	Hand lever pin	10
180	Crab washer	15
181	Flat Linch Pins	10
182	Guide strap	15
183	Chain eye bolts	20
184	Singletree strap	20

No.		Price Each
185	Evener strap	$ 45
186	Brace axle to tongue	30
187	Stop strap	15
188	Crab strap	15
189	Connecting bar, round edge	75
190	Roller rod	75
191	Spring rod	75
194	Eye bolt for No. 9	20
195	Arms for No. 8 and No. 9	60
196	Long legs	75
197	Side arms, keys	10
198	Shields—Right or left	1 50
199	Treadle beams	45
200	Hooks chain to treadle	10
205	Blade back set screws	15
206	Chain	60
207	Washer for iron wheel	15
208	Center attachment brace	50
209	Center attachment E bolt	20
	Wheels, each, steel	5 00
	Gopher blades	1 50
	Wheels, wood	4 50
	Axle, wood	1 50
	Beam, wood	1 50

FOR FOUR-BLADE ONLY

71	Left leg crab	90
72	Right leg crab	90
203	5 in. blade and back	1 75

FOR SIX-BLADE ONLY

204	3 in. blade and back	1 00
67	Left leg crab	90
68	Right leg crab	90
73	Left leg crab	90
74	Right leg crab	90
202	Short legs	75

GALE BEAN HARVESTER

Name.	Price.
Standard, R. H	$4 00
" L. H	4 00
Shoe casting, R. H	1 50
" " L. H	1 50
Shoe guide	75
Lever ratchet, R	1 25
" " L	1 25
Lever strap casting	25

Name.	Price
Blade, R. H	$7 50
" L. H	7 50
Lever and rod bracket, R	1 00
" " " " L	1 00
" spring slide	50
" "	20
" latch	25
Axle	2 00

ESTEE CULTIVATOR.

No.		Price.
EC 1	Carrying-wheel, for Cultivator, with lifting-lever	$2 50
" 2	Rear-wheel, only	1 00
	" complete with standard and two collars	3 50
" 3	Roller-box	25
" 4	Lever-socket	40
" 5	Handle-brace	50
" 6	Lever	1 25
" 7	Spring for lever	50
" 8	Roller, complete	4 00
" 9	Ratchet	75
" 10	Clip for No. 3 box	25
" 11	Carrying-wheel, for Cultivator, without lifting-lever	1 00

No.		Price
	Carrying-wheel, complete, with bracket and standard	$2 75
EC 12	Bracket for No. 11 wheel	60
" 13	Standard " 11 "	75
" 14	Button " 11 "	10
" 15	Washer " 11 "	15
" 16	Button " 11 "	10
" 17	Washer " 1 "	10
" 18	" " 1 "	10
" 19	Brace " 9 Ratchet	50
" 20	Standard and brace for diamond or chisel-tooth	75
" 21	Diamond mould, with bolt	25
" 22	Chisel-tooth	25

STAR CULTIVATOR.

	Price.
Reversible diamond-tooth	$0 25
Wrought standard and brace	75
Extension bars	25
Handle-brace	25

	Price.
Handles in pairs	$1 50
Wheel	75
Wheel-frame, right or left	50
Clevis	25

IRON AGE CULTIVATOR, AND HORSE HOE.

	Price.
Hinge plate No. 12 or D	$0 25
Cultivator standard—steel	50
Clevis	20
Clamp and setscrew	50
Wrench	20
Handles only	50
Handles with rounds, per pair	1 25
Wheel only	50
Wheel rig, complete	1 00
Standards for Horse oe	75

	Price.
Casting for H. H. No. 13R	$0 40
" " " " 13L	40
Lever adjuster, part No. 45	40
" " 46	40
" " 47	50
" " 48	20
" " 49	30
" " 50	20
" " 51	20
" spring	20

For teeth and molds see page 35.

PLANET JR. AND FIREFLY GOODS

PLANET JR. No. 2 DRILL

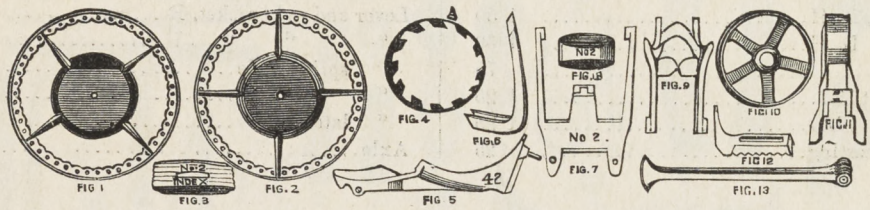


Fig.	No. on Parts.	Price.
1	R. H. Wheel, A5, A50	$2 50
2	L. H. " A4, A51	2 50
3	Door, A7, A52	60
4	Brass Drum,	4 50
5	Lower Spout, A42, 42, A62	80
6	Cleaner, 41, C41	40
7	Main Frame, A1, A2, 2, A63	1 50
8	Door, 1882, A7, A52	30
9	Roller Carrier, 41, A41, A43, A60	$0 80
10	" " A6, A58	1 20
11	Upper Spout, A3, A61	60
12	Opening Plow, 41, C41, A64	40
13	Marker Iron, C8	50
	Onion set attachment, 44, A65	1 60
	Wheel Boss, C1	10
	Handles, per pair	1 50

PLANET JR. COMBINED DRILL, CULTIVATOR AND PLOW

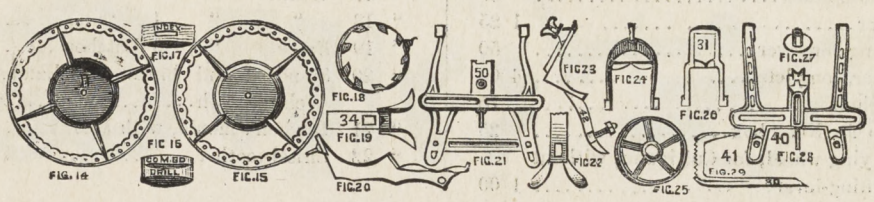


Fig.	No. on Parts.	Price.
14	R. H. Wheel, C5, C13	$2 20
15	L. H. " C4, C12	2 20
16	Doors, 1882, C3	30
17	Door, C7	60
18	Brass Drum, C9	4 00
19	Upper Spout, C34 or 34	60
20	Lower " (o.s.), No. 32, C24	70
21	Main Frame, C14, 40, C50, 50, 30	2 00
22	Upper Spout (o.s.), No. 24, C16	60
23	Lower Spout C17, C42	$0 70
24	Roller Carrier, C15, C22, C57, 51	80
25	Roller, C6, C20, C23	1 00
26	Roller Carrier, 1882, No. 31	80
27	Wheel Boss, 1882, C1	1 00
28	Main Frame (o.s.), No. 40	2 00
29	Opening Plow and Cleaner, C41, 41, C10, C25	70
	Marker, C8	60
	Handles, per pair	1 60

PLANET JR. DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

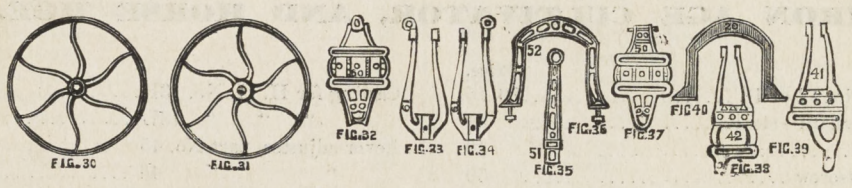


Fig.	No. on Parts.	Price.
30	Wheel and Bolt	$0 80
31	Wheel, D5, D7, D8	80
32	Side Frame Wheel Hoe, D60, 60, D62	80
33	Wheel Carrier, L, D2, 61	70
34	" " R, D3, 61	70
35	" Arm (o.s.), No. 51	50
36	Arch, D52, 52, 20, 40	1 00
37	Side Frame, 1882, No. 50	$0 80
38	Side Frame, R. H., 1881, No. 42	1 00
39	Side Frame, L. H., 1881, No. 41	1 00
40	Arch, No. 20	1 00
	Handles, per pair	1 50
	Leaf Lifter, D23	50
	" " D24	50

When ordering, give number on casting wanted.

PLANET JR. AND FIRE-FLY GOODS.—Continued

PLANET JR. SINGLE WHEEL-HOE, FIRE-FLY SINGLE WHEEL-HOE AND FIRE-FLY DOUBLE WHEEL-HOE

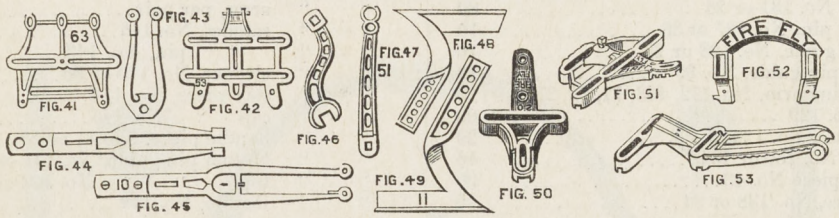


Fig.		Price.
41	Main-Frame, S. W. H., S. 63, 64, 63, S65	$1 70
42	" " 1882, No. 53	1 70
43	Wheel-carrier, Nos. 61, S71	60
44	Fire-fly main-frame, 1880	1 50
45	" " 1882, B10. 10	1 50
46	Wrench	30
47	Wheel-arm, No. 51	50
48	F. F. plow-standard, R2, R3, B3, S11	1 20
49	" " 1882, No. 11	1 20

Fig.		Price.
50	Fire-fly plow, main-frame, Nos. 20, B10, B12	$0 80
51	Fire-fly S, wheel-hoe frame, Nos. 70, H. 70, U. 70, U. 64 or U. 65	1 50
52	F. F. dbl. W. hoe-arch, D. 52	1 00
53	" " " " S. frame, K. 2 or 2	1 50
	Handles for planet Jr. dbl. or S. W. hoe	1 50
	" " fire-fly plow	1 00
	" " " single wheel-hoe	1 20
	" " " double "	1 50

PLANET JR. AND FIRE-FLY STEELS

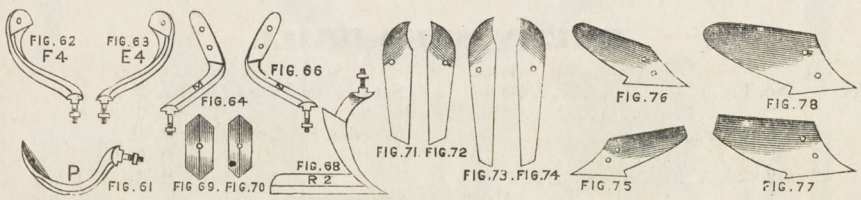


Fig.		Price.
61	Cult. standard, P, P2, P3, P4	$0 50
62	Hoe " RH, F4, F5, F6	50
63	" " LH, E4, E5, E6	50
64	Plow " " M3, M1	50
66	" " RH, N3, N4	50
68	" " RR2 or R4	50
69	Cult. steel, "P" wide	30
70	" " "P" narrow	30

Fig.		Price.
71	Hoe-steel, curved short	$0 50
72	" " "	50
73	" long	50
74	" "	50
75	Plow steel, L. H. Send sketch	80
76	" " R. H. "	80
77	" " " "	50
78	" " " "	1 50

HORSE-HOE AND CULTIVATOR PARTS

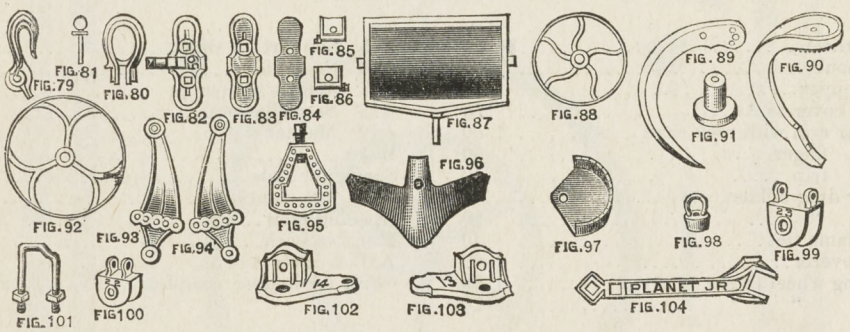


Fig.		Price.
79	Hook-clevis, Nos. 10, 94	$0 40
80	Clevis, No. 5	40
81	" pin, Nos. 4, 15	10
82	Hinge-plate, No. 59	40
83	Top hinge-plate, Nos. 47, 67	40
84	Bottom " " 57, 68	40
85	R. H. side-box, " 8, 18	20
86	L. H. " " 7, 17	20
87	Roller (frame No. 30)	3 30
88	" (end) " 31	90
89	Roller-boss, XII	20
90	Steel cultivator-standard	1 20
91	" side-hoe standard	2 00
92	H. H. wheel, No. 97, 75, 85	1 20

Fig.		Price.
93	L. H. wheel-arm, No. 95	$0 50
94	R. H. " " 96	50
95	Clamp, No. 6	60
96	Cotton-sweep, 8-inch, 35 cents, 10-inch	40
96	" 12 " 45 " 15 "	60
97	Ratchet	40
98	Eye-nut, 12	10
99	H. H. marker-hinge, No. 23	30
100	" " " 22	30
101	Steel staple-bolt	30
102	Cultivator side-box, Nos. 14, 136, 194	30
103	" " " 13, 135, 193	30
104	" wrench, " 2 or 3	40

Continued on page 42.

When ordering give number on casting wanted.

PLANET JR. CULTIVATOR—Continued

LEVER EXPANDER PARTS

	Price.
Lever expander, complete	$4 00
" ratchet, No. 131 or 26	80
" " pin, No. 137 or 38	10
" top pin guide, No. 128 or 28	10
" bottom pin guide, No. 39	10
" connecting arm, No. 132, 133, 71, 72, 27	20
" clip, No. 129	1 00
" " plate, No. 126	20
" ferrule, No. 130 or 134	10
" handle piece No. 43	20
" cap piece, No. 138 or 34	10

LEVER WHEEL PARTS

	Price.
Lever wheel complete	$3 50
" " arms, per pair	1 00
" " ratchet, No. 146	40
" " " pin, No. 143	10
" " cleaner, No. 140 or 56	20
" " stay piece, No. 144	20
" " cap " No. 145	10
" " handle piece, No. 43 or 25	20
" " bottom pin guide, No. 141 or 46	10
" " top " " No. 142 or 45	10
" " ferrule, No. 112	10

MISCELLANEOUS PARTS

Depth regulators, each	$1 00
" " knee piece, No. 113	30
Pulverizing attachment, complete	3 50
" carrier, No. 55	70
" cam, No. 65	40
Covering rake	2 00
Furrower, 10 in	$1 00
" 15 in	1 50
Side steels, 6 in	75
Hoe " 6 in	40
" " 10 in	60

For Cultivator and Horse-hoe Steels, see page 35.

EMERY SEED-DRILL

		Price.
Flat Brush for	No. 1	$0 40
" "	" 2	40
" "	" 3	50
Round "	" 1	75
" "	" 2	75
" "	" 3	1 00
Spur pinion	" 1	75
"	" 3	75
Bevel pinion	" 2	75
"	" 3	75
Bevel gear	" 2	1 00
"	" 3	1 00
Set of Zinc Plates for	" 1	50
Set of Zinc Plates for	No. 2	$0 50
" " "	" 3	75
Wooden Seed-wheel for	" 1	50
" "	" 2	50
" "	" 3	75
Gauge-screws		05
Hoe points, No. 1		25
" "	2	40
" "	3	50
Wheel-frames		75
Roller-wheel		75
Pivot shaft boxes, No. 3		50
Axle " "	3	50

NEW MODEL SEED DRILL

No.		Price.
A 1	Main wheel	$4 00
A 2	Seed spout	1 00
A 4	" hopper	2 00
A 5	Part of cover to A4	75
A 6	Agitator arm with rock shaft	1 50
A 7	" finger	50
A 8	" trip	40
A 9	Marker drag holder	40
A10	" "	80
A11	Rear frame tie	40
A12	Seed Coverer	1 00
A13	Covering wheel frame (A20)	1 00
A14	" " "	1 20
A15	Support for slide	$0 50
A16	Seed slide	80
A17	Wheel scraper	50
A18	Seed shut-off	60
A19	Marker clamp	40
Index		60
Spring for slide		20
" "	shut-off	20
Opening plow		50
Handles, each		75
Axle bolt for A14		20
Cover for hopper, complete		1 50

JEWEL WHEEL HOES

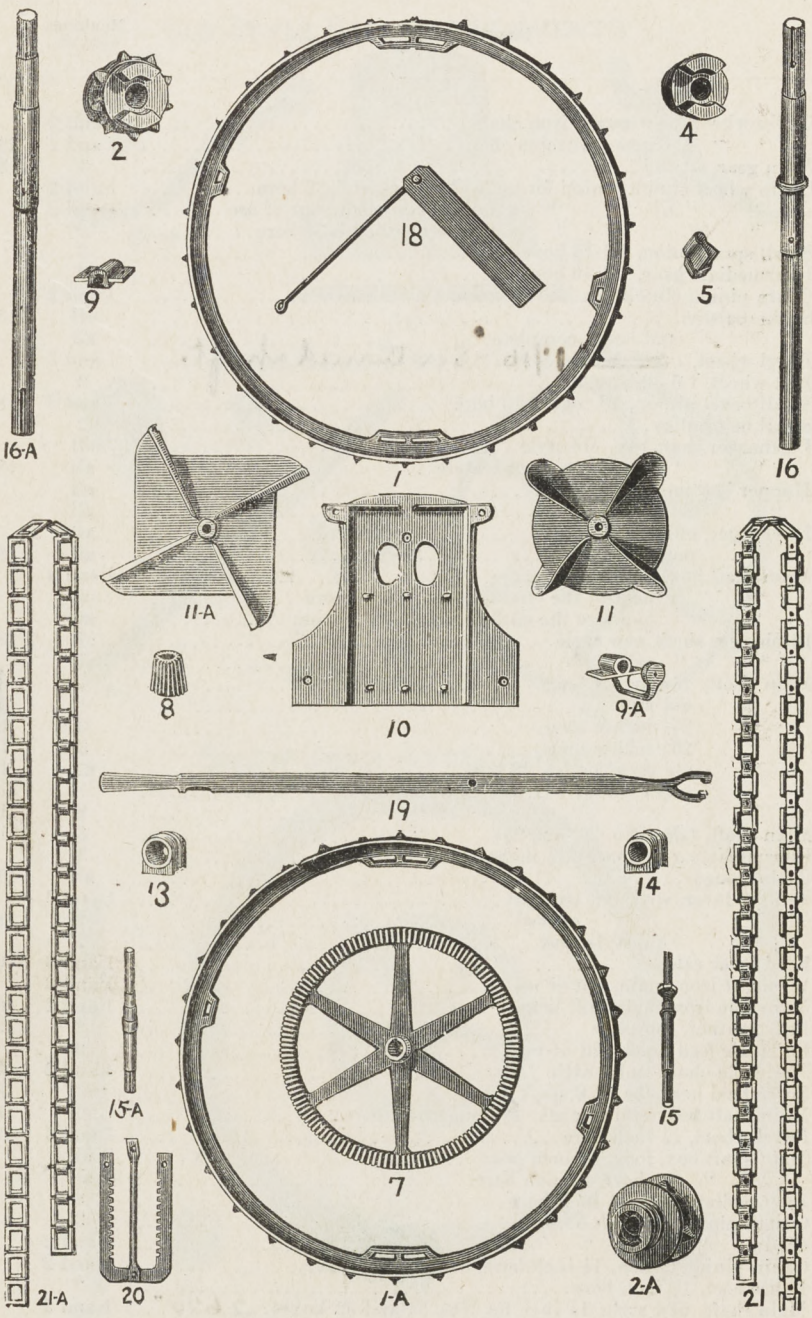
SINGLE

No.		Price.
B 1	Wheel	$0 80
B 2	Handle support	50
B 3	" "	50
B 4	Slotted frame	60
B 5	Arch piece	50
B 6	" "	50
B 7	Handle tie	40
B10	Hinge joint	40
B17	Side hoe	80
B18	" "	80
Plows, R & L		80

DOUBLE

No.		Price.
B 9	Wheel	$0 80
B11	Handle fork	60
B12	Frame "	60
B13	Slotted frame	1 00
B15	Plow, complete	2 00
	" standard	1 00
B16	Scuffle hoe standard	1 00
Scuffle hoe steels		50
Steel cultivator teeth		40
Handles, complete		1 50

GEM SEED-SOWER



THE GEM SEED SOWER.

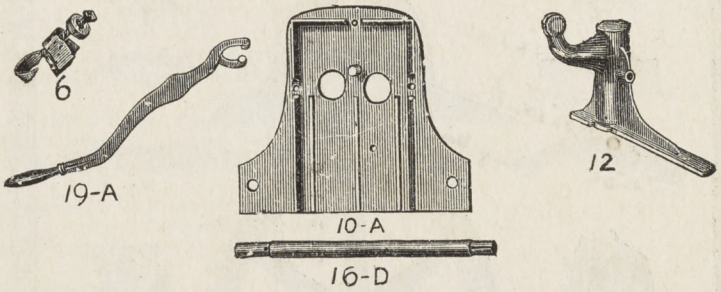
Do not fail to give number of part when ordering.

Nos.	Price.	Descriptton.	Machines used on.	Years used.
1	$2 50	Chain wheel for wrought iron chain	1 and 2	To 1879
1 A	2 50	" " new malleable chain	1 and 2	1879 and since
1 B	4 00	Main gear	3	1879 and since
2	1 25	Chain wheel clutch pinion for malleable chain 1 5-32 bore	1 and 2	to 1891
2 A	1 50	" " " " wrought iron chain, out of use	1 and 2	to 1879
2 B	1 25	" " " " malleable chain, 1 5-32 bore	2	to 1890
2 C	1 50	Small spur pinion, 1 1-16 bore	3	to 1891
3	2 50	Intermediate gear, 1 1-16 bore	3	"
4	1 00	Chain pinion clutch, fits No. 2 pinion, 1 5-32 bore	1 and 2	"
5	10	Spoke bolster	all	1867 and since
6	35	" and hook, complete	all	"
7	1 75	Bevel wheel, 1 ~~5-32 bore~~ 1 1/16 - Sentumed shaft	1 and 3	to 1891
7 A	3 00	Belt wheel, 1 5-32 bore	2	"
8	40	Small bevel pinion, 13 cogs, 9-16 bore	1 and 3	1867 and since
8 A	1 50	Small belt pulley	2	"
9	75	Discharger shaft box, old style	all	to 1879
9 A	1 00	" " bracket box, new style	all	1879 and since
10	1 50	Hopper bottom, new style	all	"
10 A	2 00	" " old style	all	to 1879
11	1 00	Discharger, old style	all	"
11 A	1 50	" new style	all	1879 and since
12	2 50	Main shaft box, old style	1 and 2	to 1879
13	75	" " nearest the chain pinion, 1 5-32 bore	all	to 1889
14	75	" " opposite the chain pinion, 1 1-16 bore	all	to 1891
15	1 50	Discharger shaft, new style	all	1879 and since
15 A	1 50	" " old style	all	to 1879
16	2 50	Main shaft, 26½ inches long	1	1879 to 1891
16 A	2 50	" old style	1	1867 to 1870
16 B	2 50	" 25½ inches long	2	1867 to 1889
16 C	2 50	" 25½ inches long	3	1867 to 1889
16 D	2 50	" old style for No. 12 box	all	1870 to 1879
16½	2 50	" takes No. 26 box, 26½ inches long	1	1889 to 1891
16½ B	2 50	" " " " "	2	1888 to 1891
16½ C	2 50	Main shaft, takes No. 26 box, 25½ "	3	1888 to 1891
17	2 50	Intermediate gear shaft, 24½ inches long	3	to 1891
18	75	Grain gauge	all	1867 and since
19	1 75	Shipper lever, wrought, straight	1 and 3	"
19½	1 75	" " curved	2	1890 and since
19 A	75	" old style, cast	1	to 1879
20	1 00	Feed lever ratchet	1 and 3	1867 and since
21	4 00	Wrought iron chain, out of use	1 and 2	to 1879
21 A	1 25	Malleable iron chain, full length	1 and 2	1879 and since
22	1 75	Belt tightner, complete	2	1867 and since
23	75	Eccentric feed hook, out of use	2	to 1879
24	02	Malleable chain links, each	1 and 2	1879 and since
25	40	Force feed head for 15 B. shaft	all	1883 and since
26	2 25	Main shaft box, nearest chain pinion, 1 5-32 bore	all	1889 to 1891
30	1 75	Bevel wheel, 1⅛ inch bore	1 and 3	1891 and since
31	2 25	Main shaft box, long, 1⅛ inch bore	all	"
32	75	" " short, 1⅛ inch bore	all	"
33 A	2 50	Intermediate gear, 1⅛ inch bore	3	"
34	1 50	Clutch pinion, 1⅛ inch bore	3	"
35	1 25	Chain " 1⅛ "	1 and 2	"
36	1 00	Chain pinion clutch, 1⅛ inch bore, fits No. 35	1 and 2	"
37	3 00	Belt wheel, 1⅛ inch bore	2	"
38	2 50	Main shaft, new style, 1⅛ inch for Nos. 31 and 32 boxes. 2.6/4	1 and 2	"
39	2 50	" " 1⅛ in. x 25½ in. for Nos. 31 and 32 boxes	3	"
40	2 50	Intermediate gear shaft, 1⅛ in. x 24 in. for Nos. 31 and 32 boxes	3	"

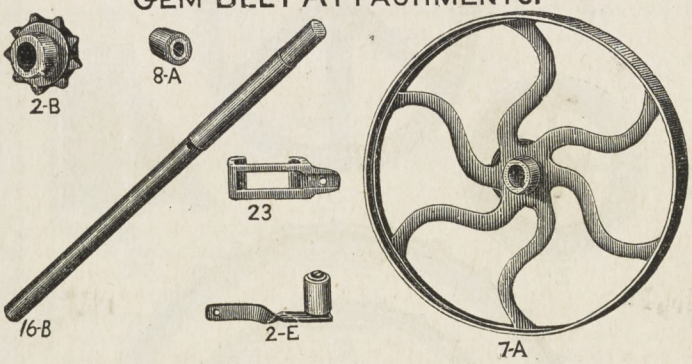
For cuts see pages 43, 45.

GEM SEED-SOWER—Continued

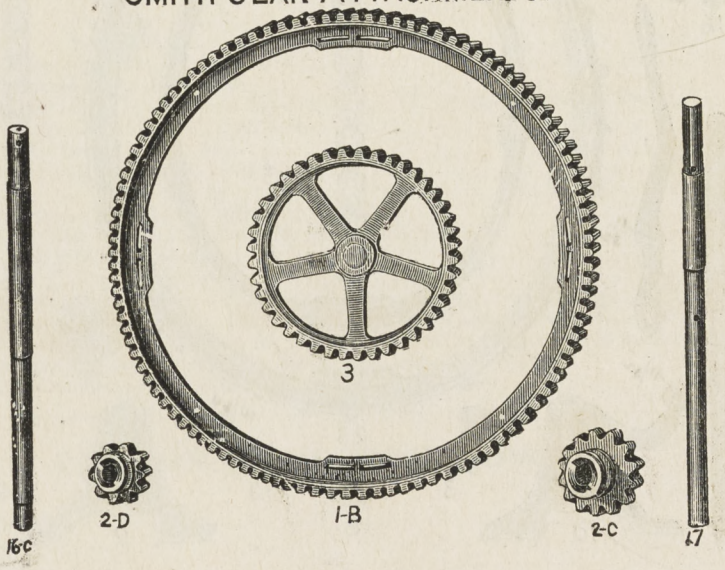
OLD STYLE GEM ATTACHMENTS.



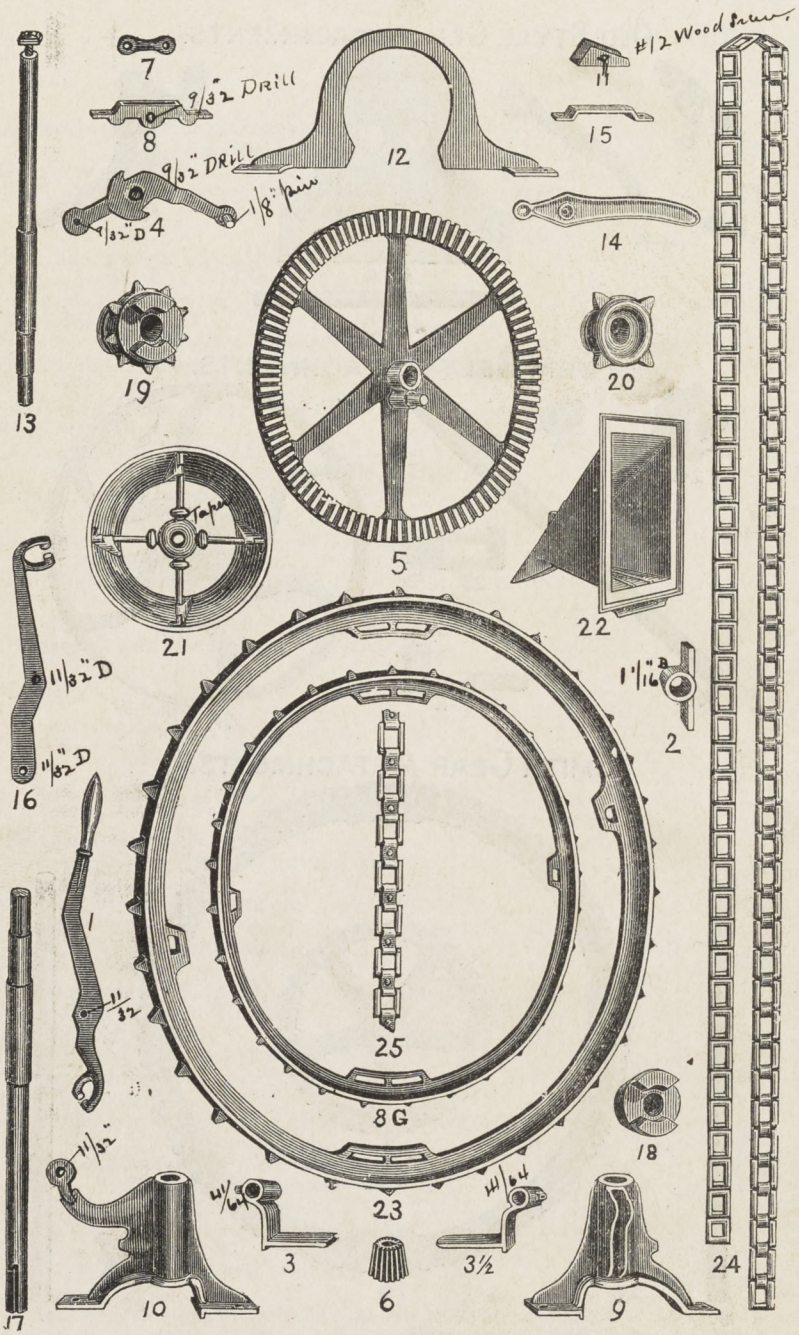
GEM BELT ATTACHMENTS.



SMITH GEAR ATTACHMENTS.



CAHOON POWER SEED-SOWER



CAHOON SEED SOWER

Do not fail to give number of part when ordering.

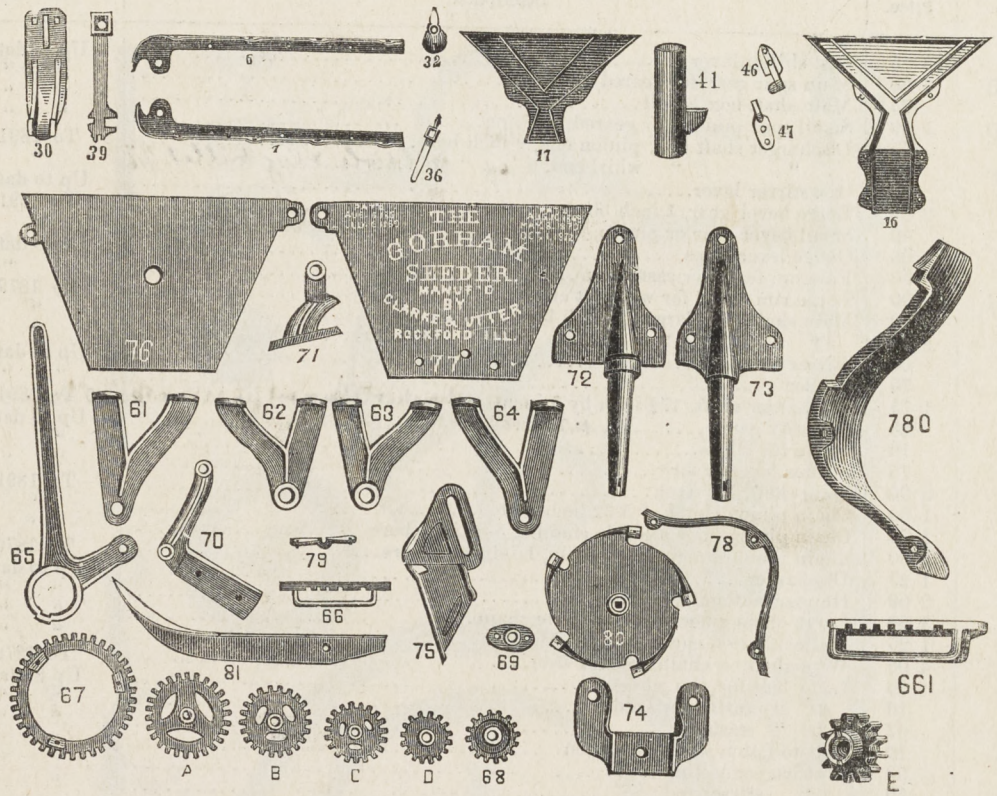
No.	Price.	Description.	When Used.
1	$0 75	Cast shifter lever	Up to date.
1B	4 00	Main spur gear, for geared machine	" "
2	75	Main shaft box, small	" "
2D	1 50	Small spur pinion, for geared machine	" "
3	75	Discharger shaft box, pinion end, $\frac{5}{8}$ inch bore	To 1891.
3½	75	" " whirl end, $\frac{5}{8}$/64 " oil hole & Lug drilled 7/16	"
4	75	Cast stirrer lever	Up to date.
5	2 25	Large bevel gear, 1 inch bore	To 1891.
6	40	Small bevel gear or pinion, 9-16 inch bore—give number of cogs	"
7	05	Gauge lever loops	Up to date.
8	50	Fulcrum for lever casting	" "
8G	3 00	Large rim wheel for wrought chain	To 1879.
9	2 50	Main shaft box, large, 1⅛ inch bore	"
10	2 20	" " " 1⅛ "	"
11	05	Stirrer points	Up to date.
12	75	Fender	" "
13	1 75	Discharger shaft, 17¼ inch by ¾ inch iron threaded & tapered to fit 2 1/4 hub 5 dia 10" long 1891 5/8" and 1/2" Sa	
14	25	Quantity gauge ..... No. wrote N.S.	Up to date.
15	10	Guide for slides	" "
16	75	Shifter lever or fork	" "
17	3 00	Main shaft, 19⅛ inch	To 1891.
18	1 00	Chain pinion clutch, 1 5-32 inch bore	"
19	1 75	Chain pinion for malleable chain, 1 5-32 inch bore	"
20	1 50	Chain pinion for wrought chain, 1 1-16 inch bore	To 1879.
21	1 25	Discharger	Up to date.
22	2 00	Hopper bottom	" "
23	3 00	Large chain wheel for malleable chain	" "
24	1 25	Malleable iron chain, full length	" "
25	4 00	Wrought iron chain (out of use)	To 1879.
26	25	Loop bolt for rim wheel	Up to date.
27	10	" " casting or saddle	" "
28	02	" " washers	" "
29	10	Bolt to fasten sower on wagon	" "
30	50	Wooden connecting rod	" "
31	50	" stirrer rod	" "
32	50	" feed lever	" "
33	50	" feed slide	" "
33A	2 50	Intermediate gear, 1⅛ inch bore	1891 and since.
34	02	Malleable chain links, each	" "
35	1 25	Chain pinion, 1⅛ inch bore Steel cored 1/2" groove 1/4" deep on hub	" "
36	1 00	Chain pinion clutch, 1⅛ inch bore	" "
38	2 25	Bevel wheel, 1⅛ inch bore	" "
39	75	Main shaft box, small, 1⅛ inch bore	" "
40	2 50	" " large, 1⅛ "	" "
41	75	Discharger shaft box, $\frac{5}{8}$ inch bore 41/64	" "
42	2 50	Main shaft box, 1⅛ inch bore, for geared machine	" "
43	1 75	Clutch pinion, 1⅛ bore, " "	" "
44	40	Bevel pinion, $\frac{5}{8}$ inch bore 44/64 19 1/2"	" " #45
45	2 50	Main shaft, 1⅛ inch by 19½ inches, takes No. 39 and No. 40 boxes	" "
46	1 75	Discharger shaft, $\frac{5}{8}$ inch, takes No. 41 box 17 1/2" Long. Taper thread 1 3/4	" " <2 3/4
47	2 50	Main shaft, 1⅛ in. by 16½ in. for No. 39 and No. 42 boxes, for geared machine	" "
48	2 50	Intermediate gear shaft, 1⅛ in. by 15 inch, takes No. 39 box " "	" "
49	25	Collar and set screw for discharging shaft, $\frac{5}{8}$ inch bore	" "

CAHOON HAND SEED SOWERS.

Discharger (brass)	$1 25
Bevel pinion	20
Large spur wheel	75
Bevel wheel	20
Spur pinion	20
Main shaft	25
Pinion	25
Crank	15

Morgan & Williams seeder pins — hole in end threaded # 3766 — in cahoon bot.

GORHAM SEEDER AND CULTIVATOR



DIRECTIONS FOR ORDERING.

Give number and letter of casting.

Axles. All sizes of machines made in 1893 and since, use the same size axles which are numbered 125 and 126. Previous to 1893, these axles were used only on the 12 and 14 ft. machines and were numbered "12 and 14R" and "12 and 14L." The 8 and 10 ft. axles were numbered "8 and 10R" and "8 and 10L." We now number them 127 and 128. The axles for 6 feet machines were numbered 72 and 73.

Wheel Hubs. As machines for 1893 and since use the same axles for all sizes, so will the hubs be the same, viz:—number 120. Previous to 1893, no hubs were numbered. Now, hubs for the old style 6 ft. machines are number 122. For 8 and 10 ft., number 121. Some hubs for 8 and 10 feet are numbered 135.

Gear Levers. All machines now use the same gear levers, viz:—123 and 124. Previous to 1893, all levers were numbered 65, with the size of the machine and the letter R or L cast in it. When ordering, give all the numbers and letters on the old one. The levers for 8 and 10 ft. machines before 1893 are now numbered 129 and 130.

Drive Gears. All drive gears are now bolted to hub of wheel and are numbered 67A. Previous to 1893, all gears were numbered 67, and on the 6, 8 and 10 ft. machines, were bolted to spokes of wheel. When ordering for old machines, state if bolted to hub or spokes.

Carrying Wheels. All machines now use the same *extra heavy* wheels. When ordering, give size of machine and year it was made or numbers on axle arms.

GORHAM SEEDER AND CULTIVATOR

When ordering, see Instructions on page 48.

No.	Name.	Price.
A	Seed gear	$0 65
B	" "	65
C	" "	65
D	" "	65
E	" "	65
H	Truss-rod bridge	15
6	Cover strap, right hand	75
7	" " left "	75
16	Back plate on scatterer	90
17	Front " " "	60
30	Lever fulcrum	75
32	Grain button, under-hopper	10
36	Agitator, with set screw	25
39	Wrench	25
41	Tongue sleeve	75
42	Axle cap—give size of seeder	15
46R	Hinge on cover—center	45
46L	" " " "	45
47	" " box "	45
49	Drag bar end—wrought	35
58	Hammer strap "	25
61	Hanger, right hand, outside	90
62	" " " center	75
63	" left " "	75
64	" " " outside	90
65	Gear lever	1 85
66R	Lever ratchet—see 131R	60
66L	" " " 131L	60
67	Drive gear, bolts to spoke	1 00
67A	" " " " hub	1 00
68	Intermediate gear	65
69	Box for seed wheel shaft	50
70	Lever elbow	90
71	" fulcrum	75
72	Axle arm, R. H., for 6 feet up to 93	1 75
73	" " L. H., " 6 " " 93	1 75
74	Tongue iron	90
75n	Holder for shovel standard	75
76	Box end, right hand	2 00
77	" left "	2 00
77c	" " " —replaces 77	2 00
78	Gear shield—state if right or left	75
79	Cover catch	25
80	Seed wheel	1 50
81	Wrought shovel standard	70
120	Wheel hub, fits No. 125 & 126 axle arms	3 75
121	Wheel hub, fits No. 127 & 128 axle arms	$3 00
122	" " " 72 " 73 "	2 00
123	Gear lever, R. H., for 125 arm	2 00
124	" L. H., " 126 "	2 00
125	Axle arm, R. H.—see page 48	2 50
126	" L. H. " "	2 50
127	" R. H. " "	2 25
128	" L. H. " "	2 25
129	Gear lever, R. H., for 127 arm	1 85
130	" L. H., " 128 "	1 85
131R	Lever ratchet, R. H.—replaces 66 R	60
131L	" L. H. " 66 L	60
133	Gear shield, R. H.—replaces 780R	75
134	" L. H. " 780L	75
135	Wheel hub	2 00
661R	Lever ratchet, R. H.—use 131R	60
661L	" L. H. " 131L	60
780R	Gear shield, R. H.—use 133	75
780L	" L. H " 134	75
	Thimble for draw bar rod	10
	Shovel, with bolt, wide	30
	" " narrow	25
	Tin seed cups	05
	Wooden seed cups	05
	" draw bar, long	1 00
	" " short	1 00

SPRING TOOTH PARTS

144	Flange box	50
145	Lug casting	25
146	Lever comb, R. H.	1 25
147	" L. H.	1 25
148	Half box for comb	10
149	Top plate for swivel wheel standard	30
150A	Roller box	50
151A	Flat scatterer, small	75
152	" " large	1 00
153	Swivel wheel jaws with standard	4 50
154	" " only	5 75
	Spring tooth	75
	Pole, wood only	5 50
	Carrying wheel, for 6-ft. machines	8 00
	" " " 8 & 10 ft. machines	8 50
	" " " 12 & 14 " "	9 00
	" " (extra heavy), new style	10 00

CULTIVATOR WHEELS

All Cast Iron.

	Price.
8 in. diameter, 3½ in. face	$1 50
10 " " 3½ " "	2 20
10 " " 4 " "	2 25
12 " " 3 " "	2 25
12 " " 4 " "	2 50
14 " " 4 " "	2 75
15 " " 4½ " "	4 50
15½ " " 4 " "	3 00
17 " " 2½ " "	2 50
18 " " 4 " "	4 25
20 " " 3½ " "	4 75
21 " " 4½ " "	5 50
22 " " 4½ " "	6 00

With 1-2 Inch or 5-8 Inch Wrought Spokes.

	Price.
20 in. diameter, 2⅝ in. face	$5 25
21½ " " 3 " "	6 00
22 " " 2¼ " "	5 00
22 " " 2⅜ " "	6 00
22 " " 3⅜ " "	6 00
23 " " 2 " "	5 00

With Wrought Rim and Spokes.

20 in. diameter, 2 in. face, 7 in. hub, 1⅛ in. bore	$2 50
23½ " " 2 " " 7 " " 1⅛ " "	3 00
24 " " 2⅛ " " 4 " " 1⅛ " "	2 00
30 " " 2⅛ " " 7 " " 1¼ " "	4 00
30½ " " 2 " " 7 " " 1¼ " "	3 50

NEW TRIUMPH BROADCAST SEEDER

MALLEABLE IRON PARTS

J— 38.	Feed Regulating Lever	$0 45
J—101.	Clutch Lever	35
J—102.	Drag Bar Lift Arm	45
J—103.	Loop on Lift Pipe	20
J—104.	Cultivator Arm (without Point)	90
J—105.	Cultivator Clip (casting only with Rivets)	20
J—106.	Scatter Board support on Grass Seeder	10
B— 81.	Solid Cultivator Arm	1 25
J—107.	Small Thumb Nut on Grass Seeder	10
J—111.	Lift Pipe Loop	20
J—112.	Clip for Reversible Cultivator Point (with Rivets)	20
J—113.	Segment on Wrought Iron Cultivator Arm	35
J 274.	Washer on Axle	10
J—277.	Hopper Lid Hook	10
J—278.	Hopper Lid Eye	10
J—293.	Neck-Yoke Hook	20
J—914.	Pawl in Lifting Lever	15
J—510.	Finger Latch on Lifting Lever	20
J—550.	Neck-Yoke Eye Bolt and Washer	20
R— 1.	Single-Tree Hook, (Right)	15
L— 1.	Single-Tree Hook, (Left)	15
J—109	Driving Chain, 13 Links	90
J—110.	Driving Chain for Grass Seeder, 20 Links	75

CAST IRON PARTS

J— 7.	Right Hopper Lid Hinge	40
J— 8.	Left Hopper Lid Hinge	40
J— 11.	Right Hopper Hinge Center	10
J— 12.	Left Hopper Hinge Center	10
J— 13.	Angle Washer on Hopper, per Dozen.	20
24.	Worm Wheel in Land Measurer, 12-Tooth Seeder	30
27.	Upper Double Gear in Land Measurer	30
28.	Single Gear in Land Measurer	30
80.	Lower Double Gear in Land Measurer	30
J— 70.	Feed Cup (Complete with Feed Wheel, etc.)	1 50
J— 30.	Feed Cup with Washer put in.	75
J— 32.	Feed Wheel	40
J— 33.	Shell over Feed Wheel	20
J— 34.	Step Washer on Feed Wheel, per Doz.	40
J— 39.	Hinge for Regulating Lever	20
J— 40.	Support for Regulating Lever	20
J— 41.	Regulating Collar on Feed Shaft	15
J— 42.	Step Washer on Feed Shaft, per Doz.	20
J— 43.	Wrench	15
J— 80.	Feed Cup for Grass Seeder, (Complete)	75
J— 45.	Feed Cup with Washer, only for Grass Seeder	45
J— 47.	Feed Wheel on Grass Seeder	20
J— 51.	Driven Chain Wheel on Stud	15
J— 52.	Driving Gear on Stud	15
J— 53.	Stud Bolted to J-318	20
J— 54R.	Hinge Plate on Grass Seeder Lid	10
J— 54L.	Hinge Plate on Grass Seeder Lid	10
J—127.	Double-Tree Trunnion	15
J—150.	Worm Wheel in Land Measurer 14-Tooth Seeder	$0 30
J—300.	Long Spool on Drag Bar Rod	15
J—301.	End Spool on Drag Bar Rod	15
J—302.	Short Spool on Drag Bar Rod	10
J—304R.	Lift Shaft Bracket, (Right)	30
J—304L.	Lift Shaft Bracket, (Left)	30
J—305.	Lift Lever Socket	75
J—306.	Gear Segment on Lift Shaft	30
J—307.	Lock for Lift Lever	30
J —308.	Clutch Lever Hinge, 12 and 14 Tooth Seeder	20
J—309.	Driven Chain Wheel	35
J—310.	Driving Chain Wheel for Grass Seeder	20
J—311.	Right End of Steel Frame	1 25
J—312.	Left End of Steel Frame	1 25
J—313.	Down Spout, (Complete), 12 and 14-Tooth Seeder	50
J—315.	Scatterer, (Complete)	45
J—317.	Land Measurer Worm on Feed Shaft, 12 and 14-Tooth Seeders	45
J—318.	Feed Rod Support	20
J—319.	Clutch Knocker on Lift Shaft with Screw	20
J—320.	Land Measurer, (Complete), State size of Machine	2 25
J—321.	Screw Handle on Land Measurer	10
J—322.	Center Washer on Axle	10
J—323.	Washer on Pole, per Dozen	20
J—324.	Down Spout, (Complete), 16 and 18-Tooth Seeders	50
J—325.	Clutch Lever Hinge for 16 and 18-Tooth Seeders	20
J—326.	Center Bearing for Lift Shaft	30
J—327.	Center Bearing for Axle	15
J—328.	Clutch on Axle	30
J—329.	Driving Chain Wheel on Axle.	35
J—330.	Plate under Hopper	10
J—331.	Land Measurerer Worm on Feed Shaft for 16 and 18-Tooth Seeders.	45
J—332.	Center Support under Hopper	40
J—333.	Locking Latch for Clutch Lever	10
J—334.	Driven Chain Wheel—6 teeth	40
J—335.	Regulating Handle on Grass Seeder	15
J—336.	Gear Support on Grass Seeder	20
J—337.	Gear on Feed Shaft on Grass Seeder	15
J—338.	Stud Brace on Grass Seeder	15
J—413.	Worm Wheel in Land Measurer, 18-Tooth Seeder	30
J—451.	Hub of Carrying Wheel	1 50
J—499.	Gear in Land Measurer, 18-Tooth Seeder	30
J—500.	Worm Wheel in Land Measurer, 16-Tooth Seeder	30

STEEL AND WOOD PARTS

J—405.	Cultivator Point with Clip	50
J—405A.	Cultivator Point only	30
J—234.	Pole	2 50
J—235.	Double-trees, Complete	2 50
J—240.	Carrying Wheel	6 50

NEW MONARCH DRILL.

No.	Name.	Price.
x1.	Clutch sleeve through xx46	$0 50
x7.	Gear shield	1 00
x10.	Axle box, lever side	90
x11.	Cap for x10	50
x12.	Axle box, gear side	90
x13.	Cap for x12	50
x14.	Wheel on land measure, 17 hoe	40
x15.	" " 19 "	40
x16.	" " 15 "	40
x22.	Bracket bearing for castor wheel, O. S.	3 00
x30.	Center bearing for hopper and feed shaft	2 00
39.	Left-hand grass seeder hinge	40
40.	Right " " "	40
xx45.	Grass seeder hopper end, right	1 50
xx46.	" " left	1 50
x49.	" hinge	40
x50.	" "	40
51.	Hinge for shifting bar castings	30
x51.	Ratchet for hoe lifting lever	30
x52.	Arm to throw 501 out of gear	1 50
	Spring box for x52	25
x53.	Casting to work x52	75
x54.	Bearing for x52	50
x55.	" x52	50
x56.	Ratchet for hoe shifter lever, left	1 00
E56.	Yoke for master wheel, with standard	3 00
x57.	Ratchet for hoe shifter lever, right	1 00
x59.	Lever for shifting feed shaft	60
x61.	Land measure	1 50
x63.	Ratchet for hoe lifting lever	1 00
x64.	Bracket bearing for castor wheel, N. S.	3 00
x65.	Top bearing for castor wheel standard	1 00
x66.	Doubletree iron	1 75
x67.	Brace for hopper lid	50
x68.	Washer for castor wheel standard	10
x69.	Washer on side rail	15
x70.	" "	15
73.	Seat	2 00
x77.	Shifting lever	1 50
x95.	Intermediate gear to drive seeder	90
x100.	Ratchet hub	1 75
x101.	" plate, R. H	1 20
x102.	" " L. H	1 20
279.	Hub for ground wheel	1 50
a298.	Bracket on side rails	1 00
383.	Latch handle	20
x402.	Grass seeder end, right hand	1 00
x403.	" " left "	1 00
x404.	Hoe, with steel point	2 25
407.	Hub for ground wheel	1 75
x413.	Front part of feed cup	35
414.	Back " "	35
415.	Feed wheel blank	50
419.	Fulcrum for shifting lever, No. 428	15
420.	Plate for support on feed wheel blank	15
422.	Casting to hold lever, No. 428	30
428.	Lever to shift feed shaft	60
429.	On end of shifting bar	75
485.	Arm on lift bar, for No. 487	30
487.	Link for raising drag bars	45
492.	Lever plunger	35
495.	Hopper end, left hand	2 25
496.	" right "	2 25
499.	Clutch gear on axle box, No. 517	1 10
500.	Intermediate wheel to drive No. 501	90
501.	Gear wheel on feed shaft	90
502.	Intermediate wheel to drive No. 503	90
503.	Gear wheel on grass seeder feed shaft	60

No.	Name.	Price.
504.	Sliding clutch on axle	$1 00
505.	Sleeve on axle for No. 504 to slide on (give diameter of bore)	60
510.	Land measure wheel	25
511.	Turns the figure wheel	15
515.	Back tongue casting	75
517.	Axle box, left hand	50
518.	Cap for No. 517	50
525.	Worm on axle for No. 508	50
526.	One-half ring, to work on No. 504	30
527.	" " " "	30
528.	For fastening iron lever to No. 537	50
529.	Guide for plunger on iron lever	50
530.	Washer for bolt fastening, 528	10
531.	" sleeve on end of feed shaft	10
545.	Sets in No. 487, under shifting drag bars	10
570.	Casting for land measure frame	30
571.	Link for 570	30
579.	Casting to hold hoe chains	20
x588.	Grain hopper end, left	4 50
x589.	" " right	4 50
x590.	Hoe spring holder	60
591.	Washer for spring	60
607.	Cam on lift bar to move 606	50
608.	Land measure (on power drill)	1 50
619.	R. H. lift bar hinge for 606	90
622.	" " " " 605	90
623.	Lever to raise hoes (malleable)	2 75
x623.	" " "	2 75
624.	Ratchet for 623 (malleable)	1 75
x624.	" x623 "	1 75
629.	Pivot bearing for 628	25
630.	Casting on front end of seat rails	75
631.	Lever to shift hoes (malleable)	2 25
632.	Ratchet and bearing for 631	80
633.	Back tongue casting when 630 is used	75
634.	Hub same as A 61 with larger ribs	1 50
x637.	Worm on axle to drive land measure	40
638.	Pivot bracket for land measure	30
644.	Right hand hopper hinge	50
645.	Left " "	50
646.	Arm on left bar hinge	75
647.	Washer on 623 for connection on 646	10
648.	Grass seeder hopper end, right	1 50
650.	" " left	1 50
652.	" cup	50
653.	" blank and feed wheel	50
654.	" sleeve on end of feed shaft	20
x667.	Hand wheel on end of seeder shaft	25
669.	Socket wrench	30
685.	Bearing on end of double shifter, R.	75
686.	" " " L.	75
687.	" " " L.	90
690.	Box on side rails for pipe lift bar	60
692.	Lever for shifting hoes	2 50
699.	Loop for spring pressure	75
713.	Hoe with steel point	2 25
715.	Bearing for x61	30
716.	Loop for raising land measure	30
717.	Bearing for 716	50
747.	Support for pipe lift bar	75
755.	Bracket on lift bar for raising hoes	50
Hoe points (give number of hoe when ordering)		20
Hoe chains		30
Rubber tubes		20
Castor wheel		2 50
" box		50
Receiving or swinging cups		40

TRIUMPH GRAIN DRILL

CAST IRON AND MALLEABLE IRON PARTS

No.		Price.
1	Swinging cup (or receiver)	$0 40
2	Feed cup	75
	" with cylinders and feed wheel, complete	1 50
3	Scatter board end	25
4	Large hand wheel and screw	75
5	Gauge index (out of use)	25
6	Surveyor (or land measure), complete	2 25
7	Hinge for hopper lid, right side	40
8	" " " left "	40
11	Clutch washer upon axle	40
12	Scatter board support, left side	40
13	" " " right "	40
14	Driving gear on axle (o.s.)	1 10
15	Intermediate gear	90
16	Seeder hand wheel and screw (all malleable—out)	60
18	Lift bar hinge support	25
19	Cap for lift bar hinge	25
23	Tongue clip	75
24	Surveyor gear	30
25	" "	30
26	" "	30
27	" "	30
28	" "	30
30	Lift bar hinge, right side	50
31	Lift handle, malleable iron	75
32	Shifter handle " "	60
35	Shifting bar hinge	75
36	" "	75
37	" "	75
39	" "	75
40	Lift handle hook	25
41	Shifting bar link	30
43	Axle box	30
53	Stop for gear lever	25
72	Surveyor gear	75
78	Gear sleeve on grain feed shaft	75
80	Surveyor gear	30
87	Double tree yoke	1 50
96	Feed cup	75
	" with cylinders and feed wheel complete	1 50
100	Hoe	2 25
101	"	2 25
106	Ring bracket for chain, malleable iron	20
114	Hopper end, right side	2 25
115	" " left "	2 25
116	Gear on feed shaft and intermediate	90
117	Surveyor (or land measure), complete	2 25
126	Jaw for lift lever	50
132	Jaw for shifting lever	60
133	Lift lever casting, (bolted to axle)	50
134	Bracket supporting center of axle	1 50
135	Tongue support on middle rail	75
136	Drag bar shifter casting with bolt	50
137	Axle box	25
138	Gear lever	60
141	Gauge index	20
143	Swinging cup (or receiver)	50
144	Seat	$1 50
145	Gear lifter	30
146	Pivot for regulating lever	20
147	Bracket for " "	30
148	Shield for gearing	1 50
150	Surveyor gear	30
151	Double gear on feed shaft	1 50
157	Gauge index	20
161	Clutch gear (same as No. 191)	1 10
166	Shield for gearing	1 50
171	Shifting bar hinge, for extra large drill	90
188	Shield for gearing	1 50
190	Thumb latch (to lock hand wheel No. 197)	20
191	Clutch gear	1 10
192	" " to work with No. 407 Hub	90
193	Gear on feed shaft	90
194	Intermediate gear	50
197	Large hand wheel and regulating screw	75
198	Gear lever	1 50
199	Lift bar hinge	75
200	Hopper end, left side	2 25
204	Pivot bracket for scatter board	25
205	Hinge for scatter board, left side	25
206	" " " right "	25
212	Hoe	2 25
213	Lift bar hinge	75
265	Spring hoe	2 25
276	Malleable iron handle upon lift lever	60
277	" " lid hook	10
278	" " half-eye for lid hook	10
289	Shield for gearing	1 50
293	Malleable iron neck yoke hook, on tongue	30
294	Shifting bar hinge	75
295	" "	75
298	" "	1 50
401	Malleable iron nut on grass seeder feed bar	15
402	Hand wheel and regulating screw upon grass seeder	30
405	Large washer on double tree yoke	15
406	Gear	90
407	Hub of ground wheel with wide tire	1 50
408	Saddle for spring hoe attachment	30
409	Washer " " "	15
415	Socket wrench	25
417	Gear	90
435	Lift lever casting on axle	30
445	Cam on axle (to lift gear lever)	30
450	Gear lever stop	15
451	Hub for ground wheel	1 50
452	Rocking lever on 3-horse equalizer	1 50
453	Tongue plate	60
456	Axle box, left side	75
457	Malleable iron lift arm	45
458	" " cap for lift arm	15
459	Axle box, right side	75
460	Surveyor gear	30
463	Hopper end, left side	2 25
468	Surveyor gear	30
469	" "	30

Continued on page 53.

TRIUMPH DRILL—Continued

		Price.
470	Surveyor gear	$ 0 30
471	" "	30
472	" "	30
473	" "	30
474	Gear lever for grass seeder	40
475	Shield for gearing	1 50
476	Truss rod casting	40
477	Surveyor gear	30
479	Surveyor (or land measure) complete	2 25
491	Gear lever	60
498	Surveyor gear	30
499	" "	30
503	Shield	1 50
504	Gear lever	1 50
505	Malleable iron wrench	40
515	Pivot (or hinge) for regulating lever	15
517	Stop for gear lever	15
522	Pivot (on feed-bar) for regulating lever	15
523	" " " "	15
528	Lift bar hinge, left side	75
529	Stop for shifting lever (right hopper end)	30
530	Hopper end, left side	2 25
531	" right "	2 25
1140	" " "	2 25
1150	" left "	2 25
2800	" right "	2 25
N—	Worm on feed shaft	15
N— 1	" " "	15
N— 2	" " "	15
N— 3	" " "	15
O—	Support for lift handle hook	15
O— 3	—Drag bar clip with bolt	30
R—	Hopper end, right side	2 25
X— 8	Lift bar hinge	75
X— 9	Gear lever	$ 1 50
X—10	" "	1 50
X—12	Center bracket support for drill hopper	50
X—13	Gear on feed shaft	50
X—14	Shield for gearing	1 50
X—20	Support for truss rod	50
X—21	Double-eyed truss support	30
X—22	Casting for shifting lever	75
X—23	Cap for lift bar hinge	30
X—24	Stop casting for shifting lever	75
X—25	Shifting bar hinge	75
X—32	Shield for gearing	1 50
X—39	Shaft socket	75
X—40	Malleable iron swinging shaft hook	30
X—41	" " "	30
X—43	Gear wheel	25
X—44	Center axle box (extra wide drills)	75
X—47	Shaft socket, left side	75
X—48	" " right side	75
X—51	Star bracket for center of frame	50
X—52	Gear lever, left side	1 50
X—53	" " right side	1 50
X—54	Scraper casting, right side	40
X—55	" " left "	40
X—57	Shield for gearing	1 10
X—58	Center support for hopper	50
X—59	Shield for gearing	1 50
	Hoe chains	40
	Hoe points, steel	20
	Tongue	3 00
	Doubletrees, complete	3 00
	Neckyoke	1 00
	Carrying wheel	6 00
	Rubber tubes	20

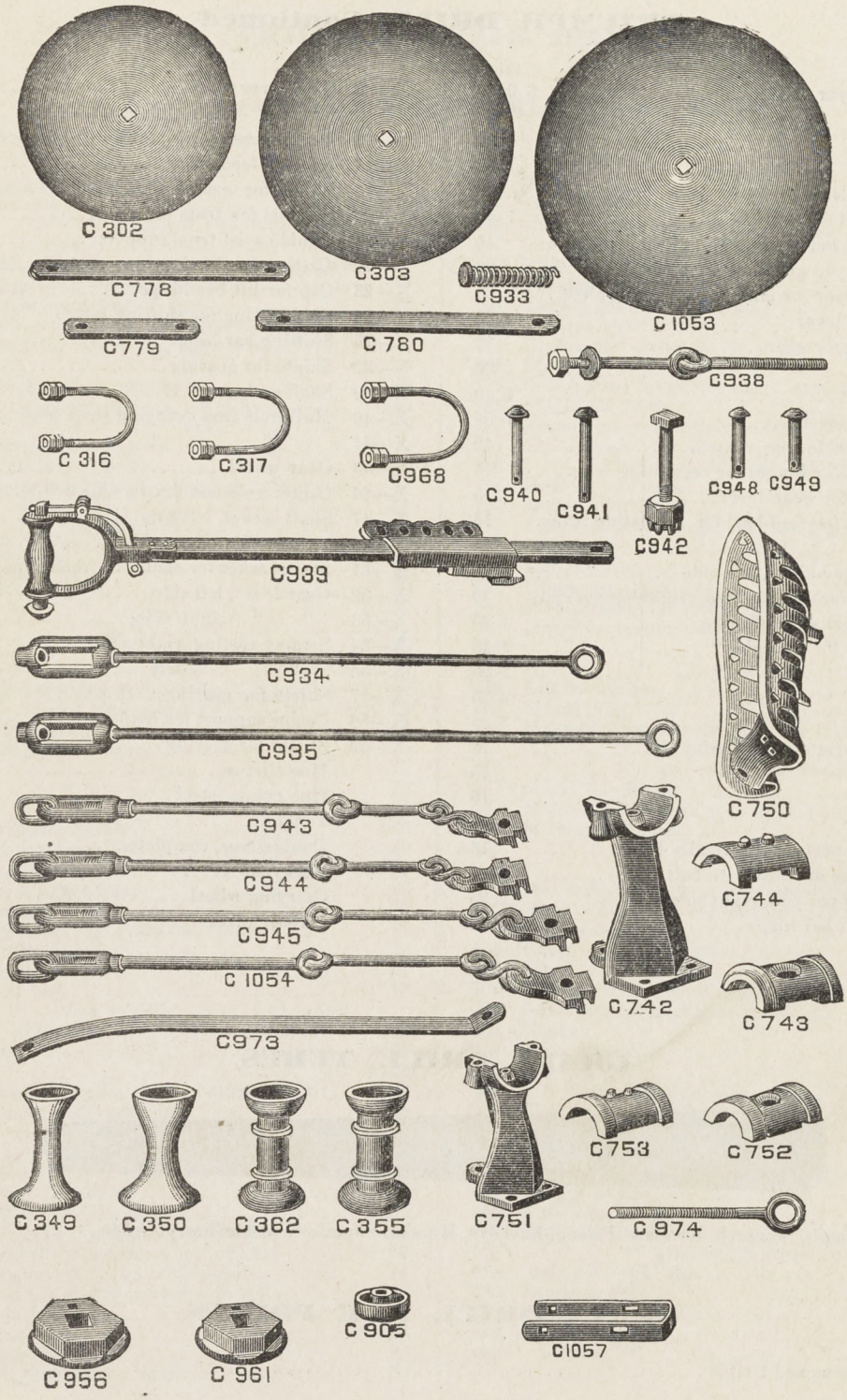
GRAIN DRILL TUBES

To fit Triumph, Monarch, Farmers' Friend, Buckeye, Hoosier, Superior and McSherry Drills..... $ 0 20

GRAIN DRILL HOE POINTS

To fit above named Drills..... $ 0 20

When ordering Monarch Drill Points, give number on Hoe.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CLIMAX DISC HARROW

WROUGHT IRON AND STEEL PARTS

No.		Each.
C— 303	16 inch steel disc	$1 00
C— 316	U shaped bolt for No. 751	30
C— 317	" " 742	40
C— 778	Clevis on 3-horse equalizer	50
C— 779	" " "	40
C— 780	Link strap on levers of equalizer	25
C— 933	Spring and follower of scraper	25
C— 934	Portion of platform brace No. 7 Disc Harrow	1 00
C— 935	Portion of platform brace No. 8 Disc Harrow	1 00
C— 938	Portion of platform brace with eye bolt	50
C— 939	Adjusting lever, complete	2 50
C— 940	Pin in No. 900 and No. 902	10
C— 941	" " 910	10
C— 942	Bolt uniting No. 910 and No. 911	20
C— 944	Pull chain for No. 7 Harrow	75
C— 945	" " 8 "	75
C— 948	Hinge pin in No. 964	10
C— 949	Pin in No. 912	10
C— 968	U shaped bolt used on No. 950	25
C— 969	" " " 957	20
C— 973	Seat brace	50
C— 974	Eye bolt in 911	25
C— 976	Gang rod for No. 7 Harrow	1 00
C— 977	" " 8 "	1 25
C—1053	20 inch disc	1 25
C—1085	Steel seat spring	2 00

CAST IRON PARTS

C— 85	Seat for steel seat spring	1 75
C— 350	Space spool between discs	75
C— 355	Bearing " "	75
C— 742	Hanger (for 16 inch Disc Harrow)	2 50
C— 743	Upper half of inside bearing box	30
C— 744	Lower " " "	30
C— 750	Seat (see C—85)	2 00
C— 905	Roller	15
C— 950	Outside hanger (16 inch Disc Harrow	2 50
C— 951	" bearing box	1 25
C— 952	Spool bearing	1 00
C— 953	End of spool bearing, No. 952	30
C— 954	Flat chilled bearing ring	15
C— 955	Concave " "	15
C— 956	Hexagon nut washer on gang rod	25
C— 962	Slide on pole (for No. 7 Harrow)	1 00
C— 963	Stop on pole	25
C— 964	Lever hinge casting under pole	50
C— 965	Lever ratchet casting on top of pole	40
C— 970	Slide on pole (for No. 8 Harrow)	75
C—1050	Outside hanger for 20 inch disc	2 25
C—1051	Inside " " "	2 25
C—1052	Spool for 20 inch disc	85
C—1079	Doubletree carrier, 4-horse, for Nos. 9 and 10	1 50
C—1080	Washer plate for steel slide	40
C—1081	Support " "	60
C—1082	Seat spring socket	50
C—1083	Washer under beam	15
C—1084	Washer on end of pole	15
C—1326	Stop under pole	15
C—1328	Lever ratchet on pole	45

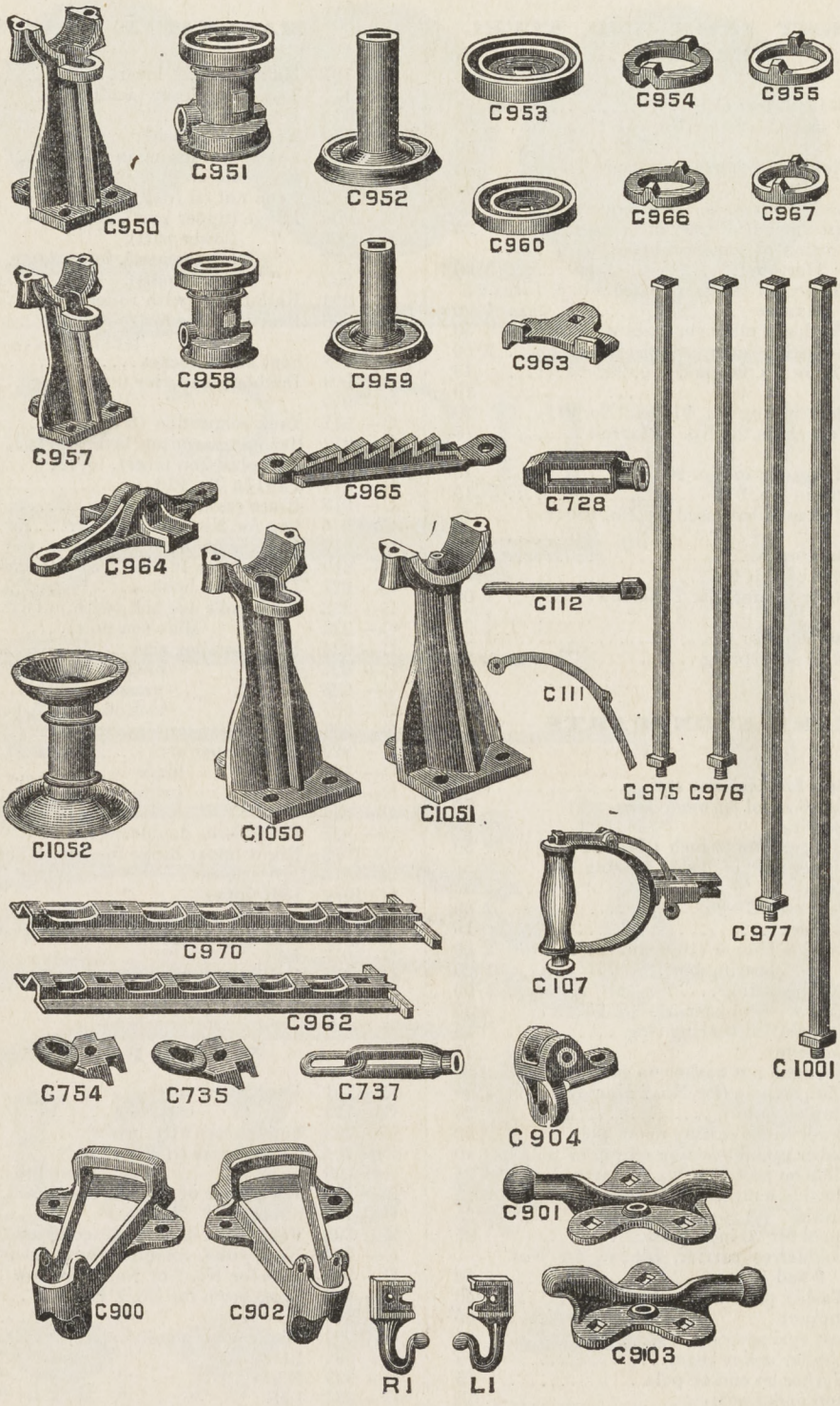
MALLEABLE PARTS

No.		Each.
C— 107	Handle on lift lever	$1 25
C— 111	Trigger on lever handle	15
C— 112	Eye bolt in "	20
C— 550	Neck yoke washer	10
C— 728	Swivel nut (on main braces)	50
C— 735	Eye plate on pull chain	15
C— 737	Loop nut on front of pull chain	25
C— 900	Hinge (upper part), right side	1 00
C— 901	" (lower part), "	60
C— 902	" (upper part), left side	1 00
C— 903	" (lower part), "	60
C— 904	Roller case (with roller 905)	50
C— 906	Bearing plate for roller, R	25
C— 907	" " L	25
C— 908	Seat board socket	75
C— 909	Doubletree carrier (upper part)	1 00
C— 910	" " (lower part)	1 25
C— 911	Link connection (3 links)	50
C— 912	Swinging arm (on lever)	40
C— 913	Eye plate (on lever)	75
C— 914	Pawl in No. 913	15
C— 915	Brace casting on pole	30
C— 916	Cap for No. 915	15
C— 917	Washer under head of gang rod	30
C— 919	Wrench for 16 inch Disc Harrow	75
C— 921	Doubletree hook	25
C— 922	Neck yoke eye bolt (with nut)	25
C— 923	" slide (on pole)	40
C— 924	Right scraper arm	30
C— 925	" blade	15
C— 926	" pressure arm	25
C— 927	" lock on No. 926, per doz.	20
C— 928	Pivot plate for scraper	25
C— 929	Left scraper arm	30
C— 930	" blade	15
C— 931	" pressure arm	25
C— 932	" lock (on No. 931) per doz.	20
C— 981	Thimble in doubletrees	10
C—1072	Right upper hinge for Nos. 9 and 10	1 25
C—1073	" lower " " "	75
C—1074	Left upper " " "	1 25
C—1075	" lower " " "	75
C—1076	Right bearing plate " "	1 00
C—1077	Left " " "	1 00
C—1078	Pull chain casting " "	50
C—1327	Slide under pole	1 00

WOOD PARTS

C— 791	Doubletree only	1 00
C— 792	" complete	4 00
C— 793	Single tree (with hooks)	1 25
C— 794	Three-horse equalizer only	3 00
C— 795	" " complete	5 50
C— 796	Long lever of 3-horse equalizer	1 50
C— 797	Short " " "	1 00
C— 798	Four-horse doubletree, complete	7 00
C— 984	Neck yoke, complete (with irons)	1 00
C— 985	Pole for No. 7 or No. 8 Harrow	3 00
C— 988	Cross beam for No. 7 Harrow	1 75
C— 989	" " 8 "	2 00
C— 991	Right gang plank for No. 7 Harrow	1 50
C— 992	Left " " 7 "	1 50
C— 993	Right " " 8 "	2 00
C— 994	Left " " 8 "	2 00
C— 999	Bent seat board	1 25

For cuts see pages 54, 56, 57.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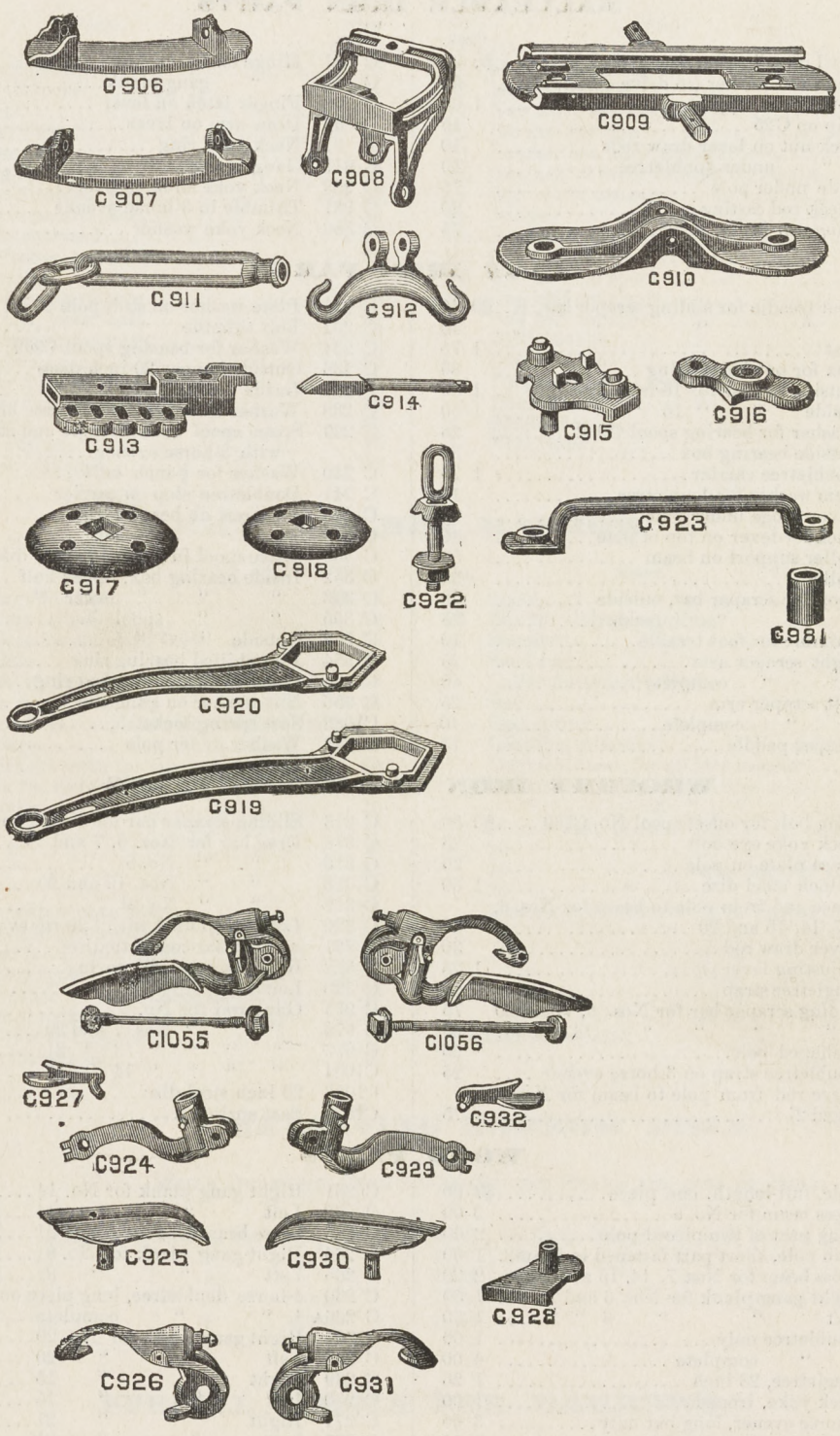
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NEW CLIMAX DISC HARROWS

MALLEABLE IRON PARTS

No.		Each.
C 12	Pawl on adjusting lever	$0 25
C 22	Gang rod washer (to drive chain)	50
C 25	Doubletree support	1 00
C 26	Clip on C25	15
C 35	Lock nut on lever draw rods	10
C 36	" under doubletree	10
C 41	Slide under pole	75
C 44	Check rod casting	20
C 50	Hinge on beam, right	75
C 51	Hinge on beam, left	$0 75
C 52	" gang plank	50
C 53	Finger latch on lever	20
C 56	Draw arm on lever	40
X 91	Neck yoke ring	20
C 917	Gang rod washer	30
C 923	Neck yoke slide on pole	40
C 981	Thimble in 3-horse evener	10
C 550	Neck yoke washer	10

CAST IRON PARTS

C 28	Foot treadle for sliding scraper bar, R.	$0 40
C 29	" " " L.	40
C 85	Seat	1 75
C 184	Box for outside bearing	80
C 200	Outside hanger for 16-inch discs	1 50
C 201	Inside " " 16 " "	1 50
C 202	Washer for bearing spool C952	25
C 203	Outside bearing box	80
C 206	Doubletree carrier	1 25
C 207	Stem washer for doubletree	15
C 214	Lever hinge under pole	20
C 215	Rack for lever on top of pole	40
C 222	Roller support on beam	50
C 223	Roller	25
C 224	Loop for scraper bar, outside	20
C 225	" " inside	25
C 226	Thimble for foot treadle	10
C 227	Right scraper arm	25
C 244	" " complete	40
C 228	Left scraper arm	25
C 245	" " complete	40
C 119	Scraper paddle	15
C 230	Plate washer on stub pole	$0 15
C 231	Bolt thimble " "	10
C 234	Washer for bearing spool C959	20
C 236	Outside hanger 20-inch discs	2 00
C 237	Inside " 20 " "	2 00
C 238	Washer on 4-horse doubletree bolt	10
C 239	Space spool between pole and stub used with 3-horse evener	75
C 240	Washer for ⅝-inch bolt	05
C 241	Doubletree stop on carrier	20
C 242	Foot rest on beam, right	20
C 243	" " left	20
C 350	Space spool in gang, 16 or 20 disc	25
C 352	Inside bearing box, upper half	30
C 353	" " " lower "	30
C 355	" " spool	75
C 952	Outside " "	90
C 954	Flat chilled bearing ring	15
C 955	Concave chilled bearing ring	15
C 956	Nut washer on gang rod	10
C1082	Seat spring socket	75
C1083	Washer under pole	15

WROUGHT IRON AND STEEL PARTS

C 249	Long bolt for offset spool No. C239	$0 50
C 300	Neck yoke eye bolt	25
C 301	Brace plate on pole	20
C 303	16-inch steel disc	1 00
C 304	Brace rod from pole to beam for Nos. 6, 7, 14, 15 and 20	50
C 305	Lever draw rod	30
C 306	Adjusting lever	1 25
C 307	Singletree strap	25
C 308	Sliding scraper bar for Nos. 6, 7 and 20	75
C 309	" " " " 14 and 15.	90
C 310	U-shaped bolt	25
C 311	Doubletree strap on 3-horse evener	25
C 312	Brace rod from pole to beam for Nos. 8 and 21	75
C 313	Sliding scraper bar for Nos. 8 and 21	$1 00
C 314	Drag bar for Nos. 6, 7 and 14	1 75
C 315	" " No. 8	2 00
C 318	" " Nos. 15 and 20	2 00
C 319	" " No. 21	2 50
C 320	Long strap used with 3-horse evener	30
C 321	Scraper bar connection rod	25
C 322	Right foot treadle spring	25
C 323	Left " " "	25
C 975	Gang rod for No. 6	75
C 976	" " " Nos. 7 and 20	1 00
C 977	" " " 8 " 21	1 25
C1001	" " " 14 " 15	1 50
C1053	20-inch steel disc	1 25
C1085	Seat spring	2 50

WOOD PARTS

C 250	Pole, full length, one piece	$3 00
C 251	Cross beam for No. 6	2 00
C 252	Long part of two-pieced pole	2 00
C 253	Stub pole, short part fastened to beam	1 50
C 254	Cross beam for Nos. 7, 14, 15 and 20	2 00
C 255	Right gang plank for Nos. 6 and 7	1 50
C 256	Left " " 6 " 7	1 50
C 257	Doubletree only	1 00
C 257A	" complete	4 00
C 258	Singletree, 28 inch	1 25
C 259	Neck yoke, ironed	1 00
C 260	3-horse evener, long bar only	3 00
C 260A	3 " " complete	5 50
C 261	Right gang plank for No. 14	$2 00
C 262	Left " " 14	2 00
C 263	Cross beam for Nos. 8 and 21	2 50
C 264	Right gang plank for No. 8	2 00
C 265	Left " " 8	2 00
C 266	4-horse doubletree, long piece only	4 00
C 266A	4 " " complete	7 00
C 267	Right gang plank for No. 20	1 75
C 268	Left " " 20	1 75
C 269	Right " " 15	2 00
C 270	Left " " 15	2 00
C 271	Right " " 21	2 25
C 272	Left " " 21	2 25

Give number and letter on part to be duplicated.

McSHERRY NEW MODEL DISC HARROW

No.	Name.	Price.
1	Seat	$2 00
2	Seat rail socket	75
H-2	Seat rail socket	75
3	Segment	75
6	Scraper (right)	30
7	Scraper (left)	40
8	Sliding casting bar	40
20	Center standard (right)	1 50
21	Center standard (left)	1 50
22	Outside standard	1 50
23	Nut Washer, square hole	25
25	Disc washer	40
27	Spool for square hole	75
29	Shaft box, lower half	30
30	Shaft box, upper half	30
31	Segment	1 00
32	Scraper clip, outside	25
33	Scraper clip, inside	25
34	Scraper	30
39	Head washer	40
70	Harrow standard	2 00
71	Harrow standard	$2 00
72	Harrow standard	2 00
73	Harrow standard	2 00
74	New style seat casting	1 25
75	Ratchet bar clip	40
76	Ratchet bar, with wrought iron	2 00
78	One-half of lever bearing on tongue	50
79	Stay chain casting	50
83	Scraper	50
86	Ratchet dog	40
91	One half cut spool	50
92	One half cut spool	50
93	One half cut spool	50
94	One half cut spool	50
	Disc, 16-inch	1 00
	Disc, 20-inch	1 25
	Tongue, without irons	3 00
	Double-tree	1 50
	Single-tree	75
	Neck yoke	1 25

RICHARDS DISC HARROW

No.	Name.	Price.
1	Adjusting slide box	$0 35
2	Yoke plate on pole	20
3	Yoke plate for standard bolts	25
4	Yoke plate	20
5	Spool for 16-inch discs	50
6D,	Granger wheel only	2 25
6T,	Granger wheel complete with standard and set collars	7 50
7	Spool with set screw for bumper connections	1 85
7D,	Hub box for swivel wheel	55
10	Yoke clamp	15
11	" "	10
12	" "	10
13	" "	15
14	" "	15
15	Washer with square hole	15
16	Box for sliding coupling	15
17	Standard for 16-inch disc	80
18	Connecting spool in center for gudgeon	1 85
19	Crank washer for seeder attachment	35
20	Cast disc sprocket wheel	1 85
21	Standard for 20-inch disc	1 15
22	Half box for standard	20
23	Spool	$0 50
24	Box for sliding coupling	30
A	Standard	65
	Sand cap	15
	Collar for swivel wheel	30
	Seat	1 00
	Seat spring	1 50
	Coupling gudgeon	1 20
	Duckfoot tooth for middle breaker	2 40
	Duckfoot holder, 16-inch disc	95
	" " 20 " "	1 15
	16-inch disc, plain	1 00
	20 " " "	1 25
	16 " " " for coupling spool	1 75
	20 " " " " " "	2 25
	Disc shaft, square, for 6 ft. harrow	1 50
	" " " 8 ft. "	1 95
	" " " 10 ft. "	2 40
	" " " 12 ft. "	3 00
	" " " 14 ft. "	3 25
	" " " 16 ft. "	3 65
	Wooden boxes, each	30

REVOLVING HARROW DISCS

When Ordering, Give Diameter and Shape and Size of Hole.

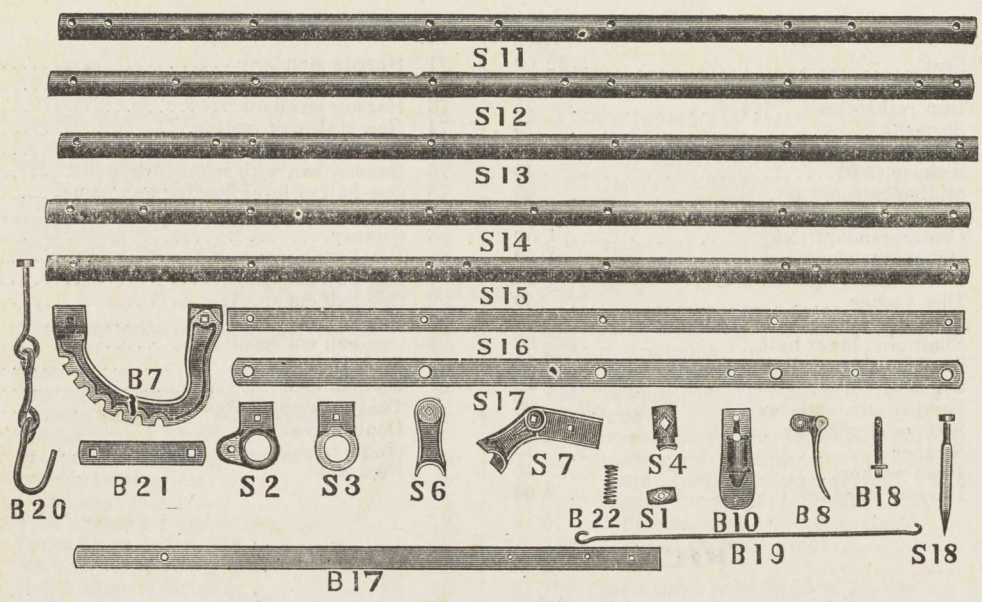
16	Inch	diameter,	¾	inch	square	hole	$1 00
16	"	"	1	"	"	"	1 00
16	"	"	1⅛	"	"	"	1 00
16	"	"	1	"	round	"	1 00
18	"	"	¾	"	square	"	1 15
20	Inch	diameter,	¾	inch	square	hole	$1 25
20	"	"	1	"	"	"	1 25
20	"	"	1⅛	"	"	"	1 25
20	"	"	1	"	round	"	1 25

SPECIAL SPOOLS FOR HARROWS

4½ and 5 inchs long $0 50

For 1 Inch Square Rod.

ELWOOD STEEL LEVER HARROW



No.		Price Each.
S 1	Tooth holder	$0 10
S 2	Draft ring	25
S 3	Beam ring	20
S 4	Beam holder	10
S 6	Center bar post	30
S 7	Lever post	60
B 7	Lever ratchet	80
B 8	Thumb latch	10
B10	Spring case	30
S 11	Front beam	1 25
S 12	2nd "	1 25
S 13	3rd "	1 25
S 14	4th "	1 25
S 15	5th "	1 25

No.		Price Each.
S 16	Outside bar	$1 00
S 17	Center bar	1 25
B17	Hand lever	80
B18	Hand lever pin	10
B19	Hand lever rod	10
B20	Eye bolt, link and hook	40
B21	Evener strap	10
B22	Hand lever spring	05
S18	Tooth	10

WOOD PARTS

2	Section evener, wood only	1 00
3	" " "	1 75
4	" " "	2 25

GALE LEVER HARROWS

No.	Name.	Price.
O 1	Lever, complete	$1 50
O 2	Lever ratchet	60
O 3	Lever pipe gripe	60
O 4	Pipe gripe	60
O 5	Lever latch	30
O 6	Lever dog	20
O 7	Draft hooks (old style),	60
O 8	Collar	30
O 9	Brace	70
O10	Lever rod	20
O11	Wrench	40
O12	Draft hook	70
O13	Draft hook clevis pin	20

No.	Name.	Price.
O14	Draft hook clevis	$0 40
O15	Evener eye bolt and link	40
O16	Lever spring	20
O17	Eye bolt and link for single section harrow	40
O18	Draft rod for single section harrow	1 50
O19	Draft rod for more than one section	2 00
O20	Channel bar	2 50
O21	Lever bar	1 50
O22	Four section evener hinge, complete	70
	Spring tooth	60
	Spike "	10
	Cap for spring tooth	10

GRANGER LEVER HARROW

No.	Name.	Price.
B 1	Lever ratchet (o.s.)	$0 75
B 2	" bar clip (o.s.)	40
B 3	" clip	40
B 4	Clip for ½ inch tooth	15
B 5	" ⅝ "	15
B 6	Runner bracket	75
B 7	Collar for bar	30
B 8	Spring holders (o.s.)	15
B 9	Pawl case (o.s.)	15
B10	Latch (o.s.)	15

No.	Name.	Price.
B11	Hook and link	$0 30
B11½	Link	05
B12	Bracket lever bar	30
B23	Lever ratchet (n.s.)	75
B24	" bar clip (n.s.)	40
B50	Spring holder (n.s.)	15
B51	Latch (n.s.)	15
B52	Pawl case (n.s.)	15
	Lever springs	15

BENICIA STEEL HARROW

Ring and Bolts	$0 25	Drag bar castings	$0 05

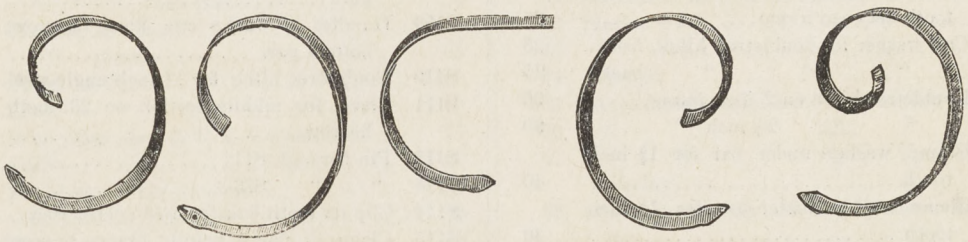
For Harrow Teeth see page 61.

HARROW TEETH

Our Harrow Teeth are of the best quality of steel, are headed, and are 12 inches long. We carry in stock the following sizes: $\frac{3}{8}$x$\frac{3}{8}$ in., $\frac{1}{2}$x$\frac{3}{8}$ in., $\frac{1}{2}$x$\frac{1}{2}$ in., $\frac{1}{2}$x$\frac{5}{8}$ in., $\frac{5}{8}$x$\frac{5}{8}$ in., $\frac{3}{4}$x$\frac{3}{4}$ in., and $\frac{7}{8}$x$\frac{7}{8}$ in.

Price, per pound ..... $0 05.

SPRING HARROW AND CULTIVATOR TEETH



Gale	$0 60	Buckeye	$0 75
Horseshoe	75	Gale Seeder	1 25
Gorham	75	Pitts	75

In addition, we carry—

Iron Age harrow teeth	$0 15	Gale spike harrow teeth	$0 10
Steel Age " "	15	Belle City " "	10
Planet Jr. " "	25	Ellwood " "	10

EXTRA PARTS FOR ACME HARROWS

No. 6 is an iron-frame harrow, with 10 front and 10 rear colters, When ordering rear colters, state whether you desire the wings for same; and, if the wings are riveted to the colters on your harrow, and you should want them, it will be necessary for you to order a new style colter holder and wing for each colter, as the colters with wings riveted on are not now made.

Names of Parts—No. 6.	Price.	Names of Parts—No. 6.	Price.
Rear colter, not reversible	$0 50	Rear colter holder, with wing	$0 50
Front " " "	45	Crushing spur holder, 5	15
Crushing spur	25	Wing for rear colter	25
Rear colter holder, 7	25	Hookbolt for rear colter	10
Front " " 3	20	Seat	2 00

Nos. 10 and 11. These are iron-frame harrows with reversible colters. No. 10 has 10 front and 10 rear colters; No. 11, 12 front and 12 rear colters. This style of harrow supersedes the No. 6 style, which is not now made.

Names of Parts—Nos. 10 and 11.		Price.	Names of Parts—Nos. 10 and 11.		Price.
Rear colter, reversible		$0 50	Crushing spur holder	V	$ 10
Front " "		45	Adjusting bar holder, front	VII	20
Crushing spur		25	" " " rear	VIII	20
Rear colter holder, top piece	I	20	Extension casting, on front bar	XIII	40
" " " bottom piece	II	05	" " " rear "	XII	40
Front " " top piece	III	15	Seat		2 00
" " " bottom piece	IV	15			

No. 14 is a wood and iron frame harrow, with one row of colters. The colters are of a peculiar pattern, designed to do the work of the two colters (front and rear) used on the other harrows.

Names of Parts—No. 14.	Price.	Names of Parts—No. 14	Price.
Colter	$0 50	Colter holder, with bolt	$0 30
Crushing spur	30		

Nos. 15 and 16 have a pipe frame. No. 15 cuts 6½ feet; No. 16, 13½ feet.

Names of Parts—Nos 15 and 16.	Price.	Names of Parts—Nos. 15 and 16.	Price
Colter	$0 50	Colter bolt	$0 20
Crushing spur	30	Seat	1 75

In ordering extra parts, be sure to give the number of the harrow.

HORSE SHOE HARROW

No.	Name.	Price.
S 86	Cast seat under ends of cross bars	$0 30
S 87	Cast seat on top the front of frame, outside tooth	30
S 88	Cast seat on top the front of frame, inside tooth, left hand	30
S 89	Cast seat on top the front of frame, inside tooth, right hand	30
S 90	Cast seat under end of cross bars, for tooth between frame	25
S 91	Cast washer for doubletree hitch, front.	25
S 92	" " " back.	25
S 93	Doubletree hitch on 2 inch frame	90
S 94	" " 2¼ inch "	90
S 95	Clamp washer under bar for 1¾ inch tooth	40
S 96	Clamp washer under bar for 1½ inch tooth	40
S 97	Clamp washer under 1½ inch front, outside	40
S 98	Clamp washer under 1½ inch front, inside	40
S 99	Clamp washer under 1½ inch front, outside and inside	40
S100	Clamp washer under 1½ inch front, outside	40
S101	Clamp washer under 1½ inch front, inside	40
S102	Doubletree hitch for 1½ inch angle steel	60
S103	Clamp washer under 1¾ inch front, outside	40
S104	Clamp washer under 1¾ inch front, inside	40
S105	Clamp washer under 1¾ inch front, outside and inside, 17 tooth	$0 40
S106	Clamp washer under 1¾ inch front, outside, 19 tooth harrow	40
S107	Clamp washer under 1¾ inch front, inside, 19 tooth harrow	40
S108	Handles to make one horse harrow, top part	35
S109	Handles to make one horse harrow, bottom part	35
S110	Doubletree hitch for 1½ inch angle steel	75
S111	Clevis for middle section on 23 tooth harrow	50
S112	Pin through S111	20
S113	" " S73	20
S114	Clip on tooth bolt for 5-16 evener rods	25
S115	Clamp to clamp handle braces to cross bars	40
S116	Stay rod clevis on evener	60
S117	Clip on tooth bolt for ½ stay rods	30
S118	Stay rod clevis on evener clevis S116	35
S119	Lever socket, malleable, 1892	75
S120	" ratchet, " "	25
S121	" spring case, " "	50
S122	Bearing on front shoe bar	50
S123	" " frame for rear shoe bar	50
S124	Clip for shoe to bar	35
S125	Bearing on frame for front shoe bar	50
S126	" " " "	50
S127	Lever spring latch	40
S128	Clip for shoe to bar	30

McLEOD CULTIVATOR

No.	Name.	Price.
1A	Malleable shovel holder	$0 35
2A	" standard holder	75
3A	" coupling, R	1 75
4A	" " L	1 75
5A	Lever holder	50
6A	Corrugated washer	05
7A	Lever comb	75
8A	Axle and frame holder	50
40	Spring dog box	40
41	" "	15
	Tilting lever latch	15
	Cast block for holders	10
	Collar, 1½ inch	30
	Steel axle, main, 3 ft. 10in	$4 25
	" long extension, 2 feet	3 00
	" short " 1 ft. 4 in.	2 50
	Long standard	1 25
	Short "	1 00
	Wheels only, 24 inches high	2 00
	Wheel boxes	35
	Doubletrees complete	1 60
	Neck yoke	1 00
	Pole	1 75
	Shafts	75
	Singletree	40
	Doubletree bar	80

For Teeth see page 35.

CORN PLANTERS

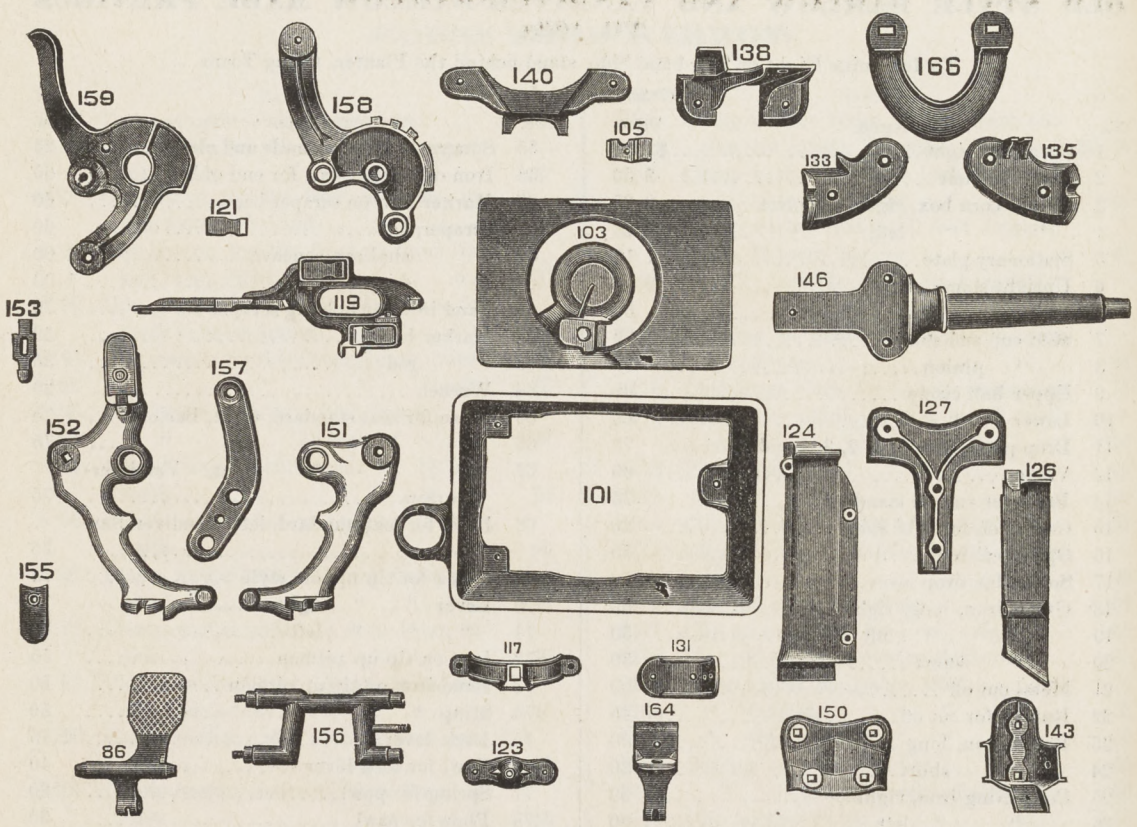
OLD STYLE BARLOW AND VANDIVER-BARLOW MADE PREVIOUS TO 1885

To determine Right or Left-hand Side, stand behind the Planter, facing Team.

Order by Number.

No.	Name.	Price.
1	Corn box, right	$2 50
2	" left	2 50
3	Cap in corn box, right, complete	2 25
4	" " left, "	2 25
5	Stationary plate	1 10
6	Upright stand	2 25
6½	" " back plate	50
7	Seed cup and shaft	1 75
8	" pinion	75
9	Upper half circle	60
10	Lower "	60
11	Drop plate, sizes 0, 1, 2, 3, 4 and 5	75
12	Valve	60
14	Brace for runner standard	75
15	Cross iron for tube sides	20
16	Open heel iron	50
17	Socket for drop lever	50
18	Guide iron, long, right	50
19	" " left	50
20	" short	50
21	Metal cut off	1 00
22	Rubber for cut off	25
23	Box button, long	30
24	" short	30
25	Connecting iron, right	1 50
26	" " left	1 50
27	Pawl for connecting iron	50
28	Spring for pawl	20
29	Glass back for seed cup	30
30	Tube side, right, narrow runner	1 25
31	" left, " "	1 25
32	" right, wide "	1 25
33	" left, " "	1 25
34	Steel runner, wide	4 50
36	Nose iron for runner	50
37	Hinge, inside, right, Barlow	75
38	" " left, "	75
39	" " right, Vandiver-Barlow	75
40	" " left, "	75
41	" outside, right, Barlow and Vandiver-Barlow	70
42	Hinge, outside, left, Barlow and Vandiver-Barlow	70
43	Hold-back iron for tongue	50
44	Hammer strap	70
45	Iron on tongue block	50
48	Wheel, deep, shallow or flat	7 00
49	Iron axle, right, large	1 50
50	" left, "	1 50
51	Axle washer, large	15
52	Linch pin	05
53	Driver's seat	1 50
54	Plate on seat standard for scraper rod	50
55	Scraper rod with handle and clevis	$1 25
56	Iron on scraper bar, for end of bar	60
57	Marker iron on scraper bar	60
58	Scraper, flat	60
59	" shallow, concave	1 00
60	" deep	1 00
61	Band iron for holding scraper bar	70
62	Marker hook	50
63	" rod	35
64	Wrench	20
65	Brace for seat standard, right, Barlow	75
66	" " " left, "	75
67	" " " right, Vandiver-Barlow	75
68	Brace for seat standard, left, Vandiver-Barlow	75
69	Crank for tip up, old style	75
70	Lever " " right	75
71	" " " left	75
72	Iron on tip up pitman	75
73	Band iron on tip up pitman	50
74	Strap " " " "	50
75	Lock lever	1 75
76	Pawl for lock lever	40
77	Spring for pawl	20
78	Plate for pawl	30
79	Seat standard brace, right, Barlow (hand lock lever)	1 00
80	Seat standard brace, left, Barlow (hand lock lever)	1 50
81	Seat standard brace, right, Vandiver-Barlow (hand lock lever)	1 00
82	Seat standard brace, left, Vandiver-Barlow (hand lock lever)	1 50
83	Crank for tip up (hand lever)	1 00
84	Lever " " right	1 50
85	" " " left	1 50
86	Foot treadle	1 00
87	Scraper rod. State length of rod from center of holes	70
88	Iron on scraper bar	50
89	Combination iron	1 00
90	Gauge wheel	1 50
91	" axle	1 50
92	" washer	10
93	" linch pin	05
94	Clevis for gauge wheel axle	35
95	Cover shovel	1 75
96	" stay iron with link bolt	80
97	Double link bolts for C. S. lever	50
98	Cover shovel cross iron	1 00
99	" foot stirrup, right	80
100	" " left	80

NEW STYLE BARLOW PLANTER—1885-86

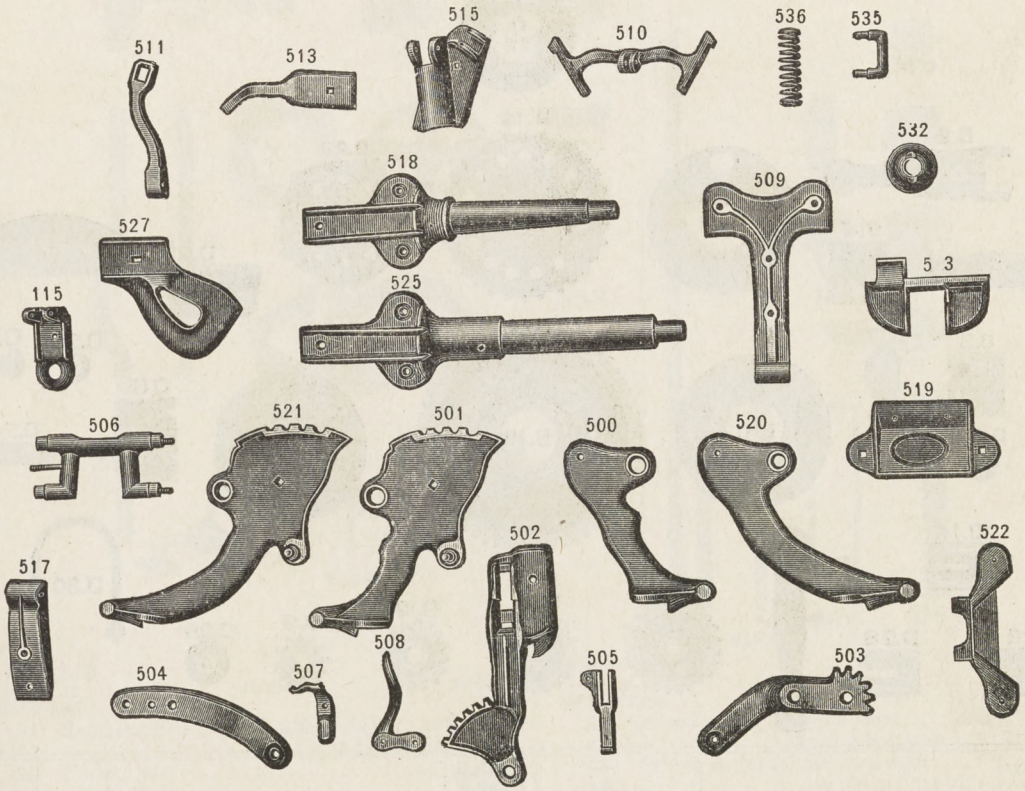


No.	Name.	Price Each.
101	Corn box, right	$2 50
102	Corn box, left	2 50
103	Cap in corn box, right	2 25
104	Cap in corn box, left	2 25
105	Cut-off in cap	40
106	Spiral spring for cut-off	15
107	Box Button, long	25
108	Box Button, short	25
109	Drop plate—Sizes 0, 1, 2, 3, 4 and 5	75
110	Stationary plate	1 00
111	Upright stand	2 25
112	Upright stand back plate	40
113	Seed cup and shaft	1 75
114	Seed cup pinion	75
116	Upper half circle	50
117	Lower half circle	50
118	Glass back for seed cup	25
119	Connecting iron, right	1 50
120	Connecting iron, left	1 50
121	Pawl for connecting iron	40
122	Spring for Pawl	15
123	Socket for drop lever	40
124	Tube side, right	1 25
125	Tube side, left	1 25
126	Valve in runner standard	45
127	Brace for runner standard	1 25
128	Cross iron, tube sides	15
129	Open heel iron	40
130	Steel runner	4 50
131	Nose iron for steel runner, right	50
132	Nose iron for steel runner, left	50
133	Hinge inside, right	60

No.	Name.	Price Each.
134	Hinge inside, left	$0 60
135	Hinge outside, right	60
136	Hinge outside, left	60
137	Hinge band	40
138	Front brace iron, right	90
139	Front brace iron, left	90
140	Tongue brace iron	75
141	Hold back iron	40
142	Hammer strap	50
143	Brace casting for operator's seat	50
145	Wheel, large deep, shallow, flat, wrought	7 50
146	Iron axle, large	1 50
147	Axle washer, large	25
148	Linch pin, large	10
149	Driver's seat	1 75
150	Seat standard casting	75
151	Seat standard brace, right	75
152	Seat standard brace, left	1 50
153	Pawl for brace, left	40
154	Spiral spring for pawl	15
155	Plate for pawl box	25
156	Crank for tip-up	75
157	Lever for tip-up, right	75
158	Lever for tip-up, left	1 00
159	Eccentric lever	1 00
160	Foot treadle	75
163	Scraper rod	50
164	Combination iron	75
166	Scraper, shallow	75
167	Marker hook	40
168	Marker rod	50
169	Wrench	25

NEW STYLE BARLOW PLANTER

1887



No.	Name.	Price Each.
500	Seat standard brace, left	$0 75
501	" " right	1 50
502	Hand lever casting	1 50
503	Foot lever, right	75
504	" left	75
505	Pawl	40

No.	Name.	Price Each.
506	Tip up crank	$0 75
507	Lock latch	25
508	Thumb latch	25
530	Spring for pawl	15
531	Rod for pawl	25

COVER SHOVELS—New Style

509	Runner standard brace	$1 10
510	Cross iron	75
511	Lifting lever, right	50
512	" " left	50
513	Foot lever, right	60
514	" left	60
515	Spring shield, right	75
516	" " left	75

535	Staple	$0 25
536	Spring	40
537	Washer for spring	05
538	Rod for spring	25
517	Slotted hinge	75
518	Axle, large	1 50
115	Combinaton iron	75

PARTS FOR IMPROVED VANDIVER-BARLOW PLANTER

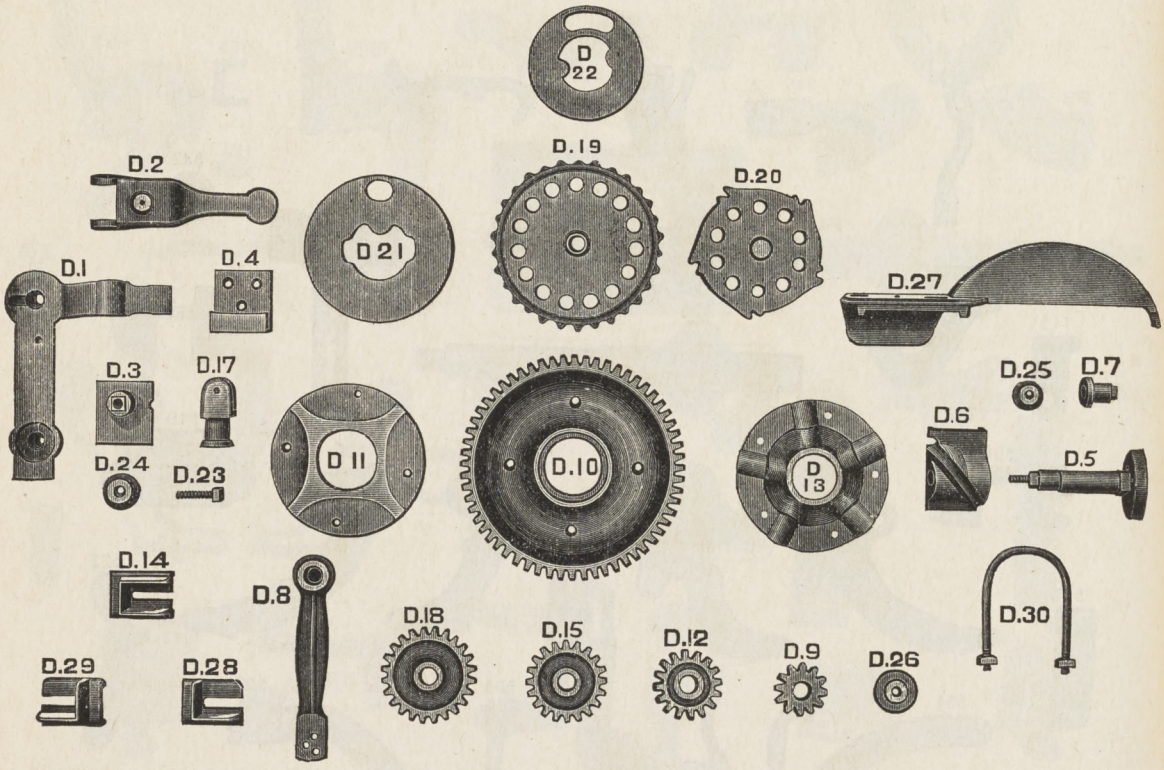
519	Seat standard iron	$0 75
520	" " brace, left	75
521	" " " right	50
522	Tongue brace iron	75
523	Front brace, iron, right	90
524	" " " left	90

PARTS FOR REVERSIBLE WHEEL

525	Axle	$1 50
526	Scraper, shallow, left	75
527	" " right	75
528	" deep, left	75
529	" " right	75
532	Washer for axle, large	25

BARLOW DRILL ATTACHMENT

'75 TO '85

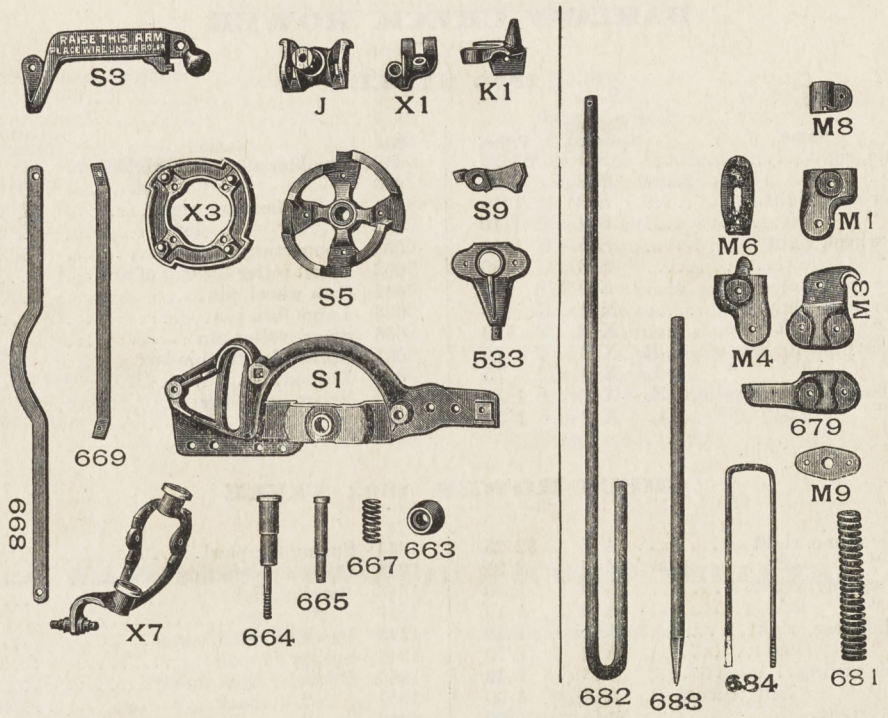


Always Order by No. in this Column	NAME.	Shown under.	Price.	Always Order by No. in this Column	NAME.	Shown under.	Price.
373	Bell crank	D 1	$3 00	387	Pinion, 15 inch	D 15	$1 00
374	" finger piece	D 2	75	388	Large cog for wrought wheel, 5 holes	D 10	2 25
375	" post	D 3	75	389	Fork for bell crank	D 17	75
376	Guide iron	D 4	75	390	Pinion, 18 inch	D 18	1 50
377	Crank shaft	D 5	1 50	391	Drop plate, sizes 0, 1, 2 and 3	D 19	75
378	" box	D 6	1 50	393	Bottom plate, Barlow	D 21	75
379	Wrist pin	D 7	75	395	Set screw for finger piece	D 23	15
380	Pitman	D 8	1 00	396	Post washer	D 24	40
381	Pinion, 9 inch	D 9	1 00	397	Wrist pin washer	D 25	40
382	Large cog for cast wheel	D 10	2 25	398	Pinion washer	D 26	40
383	Outside plate for cast wheel	D 11	75	399	Shield	D 27	1 50
384	Pinion, 12 inch	D 12	1 00	400	Clip, R. H., old style Barlow	D 28	40
385	Outside plate for wrought wheel	D 13	75	401	" L. H. " "	D 29	40
386	Clips for connecting bar	D 14	40	402	Clamp	D 30	45

SEASON OF 1894

Order by these Nos.	NAME.	Casting Lettered.	Price each.	Order by these Nos.	NAME.	Casting Lettered.	Price each.
1412	Boxing for shaft, right	D 33	$0 75	1418	Sprocket pinions, 6, 7 and 8	.....	$0 75
1413	" " left	D 34	90	1419	Shaft with 2 collars	.....	1 00
1414	Casting to raise finger from clip	D 35	60	1420	Sleeve for axle, long	C 29	90
1415	Clip for connecting bar	D 36	50	1421	" " short	C 30	90
1416	Large gear, 21 sprockets	D 37	1 50	1422	Collar "	.....	45
1417	Collar for end of shaft	.....	40	.....	.....	.....	.....

BARLOW CHECK ROWER



Always Order by No. in this Column.	Name.	Price.
403	Ratchet plate for cam wheel, right	$1 00
404	" " " left	1 00
405	Frame, left	2 00
406	" right	2 00
407	Large fork, unlocking	75
408	Lower lock, right	90
409	" " left	90
410	Back pulley	75
411	Pulley bearing front, left	60
412	" " right	60
413	Cam wheel, right	1 50
414	" left	1 50
415	Fork in cam wheel, left	25
416	" " right	25
417	Front pulley	90
418	Tumbler shaft with rollers, right	1 50
419	" " " " left	1 50
420	" " Box	60
421	Spring bolt iron on connecting bar, new style Barlow	60
422	Spring bolt iron on connecting bar, old style Barlow	60
423	Cam for spring bolt iron, left	40
424	" " " right	40
425	Rollers for tumbler shaft, right and left	50
426	Small roller on frame	50
427	Spiral spring for large fork	15

Always Order by No. in this Column.	Name.	Price.
428	Spiral spring for lower fork	$0 15
429	" " spring bolt iron	15
430	Spring cutter for tumbler shaft	05
431	" " connecting bar clip	05
432	" " cam	05
433	Pin bolt for spring bolt iron	15
434	" " cam wheel	60
435	" " unlocking fork and lower stop	50
436	" " front pulley	50
437	" " back "	0
438	" " roller on frame	25
439	Iron that connects spring bolt irons, new style Barlow	50
440	Iron that connects spring bolt irons, V.-B. and O.S.B	50
441	Pitman bar rod, N.S.B	60
442	" " O.S.B	60
444	Front brace, R., N.S.B	50
445	" L., N.S.B	60
446	" Old style Barlow	40
447	Top brace for frame	25
448	Casting attachment, O.S.B., right	1 00
449	" " O.S.B., left	1 00
451	Reel stand	1 00
452	Reel	1 50
453	Check rower wire, per rod	25

CHECK ROWER—1889 Style

No.	Name.	Casting Lettered.	Price.
636	Check rower frame, right	D D	$2 25
637	" " left	C C	1 50
638	Spring bolt iron, right	W R	60
639	" " left	W L	60
640	" " cam and pin, right	Y	40

No.	Name.	Casting Lettered.	Price.
641	Spring bolt iron, cam and pin, left	X	$0 40
642	Spring for bolt iron	.....	25
643	" rower frame	.....	40
644	Washer for spring	.....	10
645	Connecting rod	.....	50

BARLOW CHECK ROWER

1890 STYLE

No.	Name.	Casting Lettered.	Price.
646	Frame, right	S 1	$2 25
647	" left	S 2	2 25
648	Roller arm, right	S 3	1 10
649	" left	S 4	1 10
650	Cam wheel, right	S 5	1 50
651	" left	S 6	1 50
652	Large fork, unlocking	S 9	75
653	Lower lock, right	X 1	90
654	" left	X 2	90
655	Ratchet plate for cam wheel, R	X 3	75
656	" " " L	X 4	75
657	Tumbler shaft with rollers, R.	X 7	1 50
658	" " " L.	X 8	1 50
659	Tumbler shaft box, right	J	$0 75
660	" " left	U	75
661	Pulley bearing, right	K 1	60
662	" left	L 2	40
533	Connecting bar clip	533	45
663	Small roller for end of arm	....	45
664	Cam wheel pin	....	60
665	Large fork pin	....	60
666	Small roller pin	....	45
667	Spring for tumble box	....	40
668	Pitman rod	....	60
669	Front brace iron	....	50

CHECK ROWER—1894 STYLE

1330	Rower frame, right	A 7	$2 25
1331	" left	A 8	2 25
1332	Fork casting, right	A 9	1 10
1333	" left	A10	1 10
1334	Ratchet gear, right	A11	1 10
1335	" left	A12	1 10
1336	Finger casting	A13	1 10
1337	" half journal	A14	1 10
1338	Latch, right	A15	60
1339	" left	A16	60
1340	Center bearing for rod	A17	60
1341	Sleeve for ratchet shaft	A18	75
1342	Stop Pawl, right	A19	40
1343	" left	A20	40
1344	Spring for pawl	....	$0 15
1345	Clip on connecting bar	A21	50
1346	Ratchet, right	....	1 00
1347	" left	....	1 00
1348	Pawl for ratchet gear	....	30
1349	Spring for pawl	....	15
1350	Rivet for front pulley	....	25
1351	" back "	....	25
1352	" roller	....	25
1353	Steel fork, right	....	40
1354	" left	....	40
1355	Pin bolt for fork casting	....	45
1356	Steel shaft with 2 collars	....	2 25

FARMER'S FRIEND CORN PLANTER

ONE-HORSE

H 1	Kernel plate	$0 60
H 2	Broomcorn plate	60
H 4	Kernel plate	60
H 6	Gear plate for H8	1 00
H 7	Pinion for H6	50
H 8	Bottom plate	1 25
H 9	Cut-off plate	1 50
H10	Top box plate	75
H35	Cut off cap	40
H54	Fastens runner to frame	1 25
H66	Chain wheel, drops 8 inch	60
H67	" " 12 "	60
H68	" " 16 "	65
H69	" " 20 "	75
H 87	Chain tightener	$0 30
H 88	" " roller	20
H112	Ground wheel	4 50
H113	Shank for hand dropping	2 00
H114	Valve " "	60
H115	Bearing for H113 and H114	50
H116	Arm on side of H113	60
H117	Crank arm for H166	50
H118	Bearing for H117	40
H120	Gear arm	75
H121	" bearing	60
H122	Gear cam	60
	Steel runner	3 00
	Chain, per foot	15

CHAUTAUQUA CORN PLANTER

Steel springs	$0 40	Slide valve	$0 40

DIAMOND ONE-HOLE CORN SHELLER

In ordering, state number, description and size of bore.

No.	Name.	Price.
9	Straight runner, geared	$3 00
11	Bevel runner	2 00
651	Balance wheel	4 00
652	Spout front	1 50
653	Cast strap and rag iron	50
654	" clamp	15
655	Cob plate	40
656	" shield	40
657	Gear	40
658	Double box	1 00
659	Single "	50
660	" "	50
661	Fan "	50
662	Crank	1 00
663	Gear on crank stud	90
664	Pinion on balance wheel shaft	90
678	Balance wheel	4 00
734	Spout	1 50
735	Cob plate	$0 40
736	" shield	40
750	Balance wheel	4 00
779	Double box	1 00
780	Gear with cast crank stud	1 50
781	6-inch flat bottom sheave	1 00
782	2½ " " "	75
931	Straight runner with cast shaft	3 50
932	Bevel runner and pinion	3 00
933	Double box for cast shaft	1 00
934	Shield for crank gears	25
	Balance wheel shaft	2 50
	Straight runner shaft	2 50
	Fan, with pulley, complete	2 25
	Steel bow spring	90
	Spring strap, with rag iron	60
	Fan belt, 5-16 in. (4 ft. long)	70
	Crank stud	1 00

FAVORITE TWO-HOLE CORN SHELLER

In ordering, state number, description and size of bore.

No.	Name.	Price.
5	Crank	$1 00
26	Bevel runner, 1 3-32 bore	2 25
62	Clamp for elevator box on upper end	25
100	Straight runner, 1 3-32 bore	3 75
153	Pins for inside cob rake roller	40
154	Balance wheel, 1 3-32 bore	5 00
159	Rake shaft box, 1 1-16 bore	50
159	Cob rake box, 1 1-16 bore	50
187	Band wheel, 15-inch, 1 3-32 bore	3 00
195	Cob rake head, 1 1-16 bore	75
285	Spring strap clamp	15
351	Upper elevator box	75
352	Lower " "	75
396	Spout front casting	1 50
418	Rag iron, right	20
419	" left	20
423	Chain wheel on upper elevator shaft	1 00
475	Cob discharge plate	50
476	" " "	50
488	Sheller gear, 1 3-32 bore	2 00
489	" pinion, 1 3-32 bore	1 00
544	Lower rake shaft socket	30
546	Sheave on fan shaft, 1 1-16 bore	75
547	" " balance wheel shaft, 1 3-32 bore	1 00
553	Spring strap clamp	15
619	Ribbed roller to drive cob rake	75
650	Favorite sheller box	90
711	Fan box and hanger	50
733	Slide at lower end of cob rake	40
737	Spout front	1 75
738	" back	75
765	Cob rake stretch box	50
777	Bevel runner, 1 3-32 bore	2 25
778	Spout front and back, complete	2 50
781	6-in. flat bottom sheave	1 00
782	2½- in. " " "	75
814	Cob rake roller	75
816	Sheller box	90
817	Band wheel (state size of bore)	1 00
819	Balance wheel	$5 00
877	Cob rake head	75
939	22-cog chain wheel	2 25
940	Pinion and 5-cog chain wheel	1 50
941	Shield for sheller pinion	25
977	Sheller gear	3 00
978	Pinion and 6-cog chain wheel	1 50
1074	Stretcher bar across top of elevator	30
1075	Upper elevator pulley, 4½ face	1 00
1076	Lower " " 4½ "	1 00
1077	Outside clamp for lower pulley pin	15
1078	Lower pulley pin for elevator	40
1079	Hanger on lower end of elevator	25
1161	Band wheel, 8x3 in	2 00
1162	" " 10x3 in	2 75
1226	Hand hole cover	20
1271	Fan box	50
1551	Straight runner, 1 3-32 bore	3 75
	Slip coupling	1 75
	Cup, only, for coupling	1 00
	Knuckle, only, for coupling	60
	Rake shaft only	1 25
	Balance wheel shaft	2 50
	Crank shaft	2 50
	Fan shaft, with wings and sheave	2 50
	Steel bow spring	90
	Spring trap, with rag iron	60
	Wire cob rake	3 50
	Cast center pivot for slip coupling	40
	Cob rake belt, 5½ feet	90
	Fan belt, 4½ feet	70
	Straps and cups for elevator	10 00
	Upper sheet-iron grain spout	75
	Lower " " "	50
	Chain to drive rake and elevator	75
	Elevator cups, sheet iron	20
	Upper elevator shaft	1 25
	Feed table	2 00

FARMERS' TWO-HOLE CORN-SHELLER

In Ordering state Number, Description and Size of Bore.

No.		Price.
5	Crank	$1 00
26	Bevel runner, 1 3-16 bore	2 25
62	Clamp for elevator box	20
100	Straight runner, 1 3-16 bore	3 75
105	Elevator stretch box, right	75
114	Balance wheel	4 50
116	Sheave to drive cob rake	1 00
116	Fan sheave on fan shaft	1 00
118	Sheave at outer end of cob rake	1 00
118	Elevator sheave on crank shaft	1 00
118	" " " end of elevator	1 00
118	Fan sheave on balance wheel shaft	1 00
123	Sheller rope wheel	2 00
130	Lower elevator box	75
131	Gear wheel	3 00
132	Pinion	1 00
133	Elevator stretch box, left	75
134	Cob rake " " right	60
135	Cob rake " " left	60
136	Clamp for " "	20
137	Box, bored, on main shaft	1 00
141	Lift handle attached to fan drum	30
195	Ribbed roller to draw cob rake	75
244	Elevator hanger	75
285	Spring strap clamp	15
342	Box, babbitted	1 50
349	Elevator top plate	75
350	" bottom plate	75
351	" stretcher box, right	75
352	" " " left	75
405	Grain spout pivot	75
418	Rag iron, right	20
419	" " left	20
458	Gear	4 00
459	Pinion	1 00
468	Lower roller for rake	60
475	Cob discharge plate	50
476	Cob discharge plate	$0 50
545	Socket for lower roller shaft	30
553	Spring strap clamp	15
619	Cob rake roller	75
665	Elbow for grain spout	60
666	Hook " " "	60
667	Hanger " " "	25
668	" " " "	25
669	Circle on elevator nose	60
678	Balance wheel	4 50
733	Slide at lower end of cob rake	40
737	Spout front	1 75
738	" back	75
765	Cob rake stretch box	60
777	Bevel runner, 1 3-16 bore	2 25
778	Spout front and back complete	2 50
784	Fan box	60
814	Cob rake roller	75
828	Balance wheel	5 25
847	Wind plate on fan drum	35
848	Main shaft box	1 75
852	Rake shaft box	60
853	" " " washer	15
866	Main shaft box with gear cover	2 25
877	Cob rake roller	75
939	22-Cog chain wheel	2 00
1150	Fan shaft box	50
1168	" drive pulley	1 00
1169	" pulley	1 00
1171	6-Sprocket chain wheel	1 00
1172	Upper elevator box on both sides	75
	Rubber fan belt, 5½ ft. by 1½ in.	30
	Round leather belt, per foot	30
	Steel bow springs	90
	Spring strap and rag iron	1 25
	Wire cob rake, 7½ feet long	6 00
	Elevator chain, per foot	12

BURRALL CORN SHELLER

Name.	Price.
S. W. box, flat side	$0 50
Shell wheel	2 50
S. W. box, round side	50
F. W. box, flat side	50
Feed wheel—send sample	1 50
F. W. box, round side	50
Balance wheel	2 50
Flat side	3 25
Round side	3 25
Handle	75
Wrench	25
Spring	1 00

TIFFIN DIAMOND SHELLER

No.	Name.	Price.
A 7	Plate wheel, new, no pinion cast on	$2 75
B	Hopper without rub iron or spring	1 25
D	Rub iron	50
L K	Fan wing	20
S	Pinion, with shaft, crank attaches to	90
T	Shelling wheel	1 50
6	Pinion on shelling wheel shaft	50
7	Plate wheel, old style, pinion cast on	2 75
11	Fan box	20
19	Small fan sheave	35
44	Crank	90
58	Concave	1 00
62	Treble box, crank side	1 00
63	End plate	50
73	Double box, balance wheel side	$1 00
78	Large fan sheave	75
90	Fan plate	20
250	Pinion on plate wheel shaft	50
252	" with shaft, crank attaches to	90
401	Crank for one hole power sheller	90
	Balance wheel, wrought spokes	3 75
	Cast shield for pinions	25
	Wooden feed table	1 50
	Fan belt	60
	" shaft	60
	Shelling wheel shaft, wrought	1 00
	Plate wheel shaft, wrought	1 00
	Spring	50

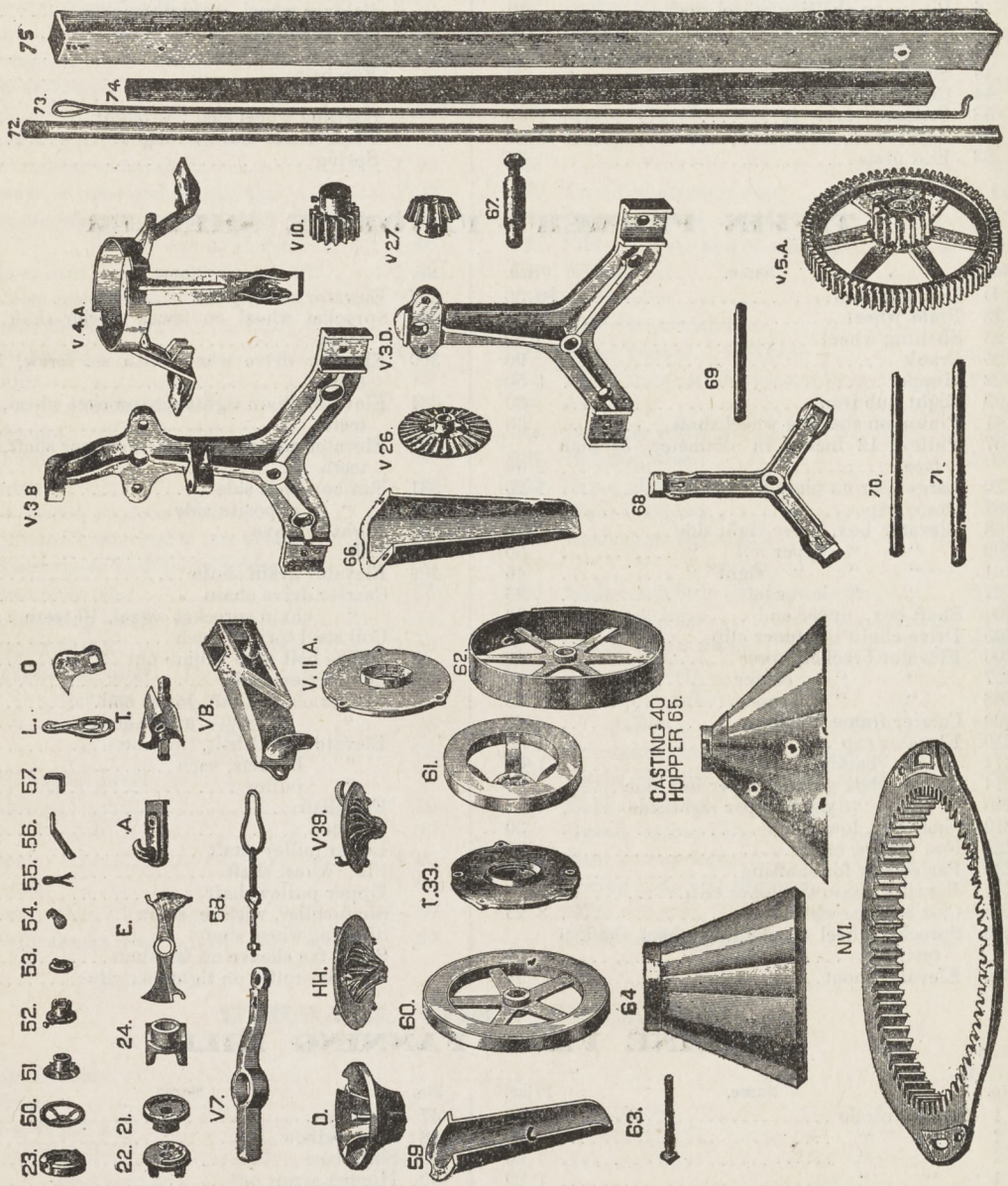
TIFFIN FARMER'S FAVORITE SHELLER

No.	Name.	Price.
D	Left rub iron	$0 50
22	Plate wheel	2 75
23	Shelling wheel	1 50
25	Crank	90
28	Hopper	1 50
29	Right hub iron	50
41	Pinion on shelling wheel shaft	60
57	Pulley, 12 inches in diameter, 3½ inch face	2 00
70	Large gear on plate wheel shaft	1 25
87	Brace cap	15
183	Elevator box, lower right side	30
200	" " upper left "	50
201	" " " right "	45
202	" " lower left "	25
204	Shaft box, upper end	30
205	Drive chain tightener clip	50
206	Elevator bracket, lower	40
207	" " center	40
208	" " upper	45
209	Carrier frame bracket	20
210	Elevator cap	1 00
211	" bottom	1 00
214	" box guides, upper left side	25
215	" " yoke, upper right side	20
219	Shaft box, lower end	30
229	Fan Wings, each	20
239	Parted box for shafting	1 60
241	Elevator chain tightener clip	40
255	Cast balance wheel	3 25
259	Sprocket wheel on shelling wheel shaft, 9 teeth	50
356	Elevator snout	90
357	Elevator snout plate	$0 30
358	Sprocket wheel on lower carrier shaft, 7 teeth	60
360	Elevator drive wheel, with set screw, 17 teeth	90
361	Elevator chain tightener sprocket wheel, 9 teeth	50
362	Elevator sprocket wheel, on upper shaft, 9 teeth	50
381	Fan box, belt side	40
384	" opposite side	30
387	Right concave	1 50
388	Left "	1 50
409	Elevator grain shute	1 50
	Carrier drive chain	90
	" chain sprocket wheel, 10 teeth	30
	Coil steel springs, each	40
	Spring bolt with thumb nut	15
	Cob carrier chain	2 50
	Carrier chain shaft, lower end	40
	" " " upper end	25
	Elevator snout bolt, two nuts	20
	" buckets, each	10
	" pulley	75
	Fan shaft	25
	" belt	75
	Lower pulley shaft	35
	Plate wheel shaft	1 75
	Upper pulley shaft	1 35
	Shaft collar, with set screw	25
	Shelling wheel shaft	1 75
	Small fan sheave on fan shaft	50
	Wooden roller on tightener clip	20

RACINE FARM FANNING MILL

No.	Name.	Price.
1	Quarter circle	$1 00
2	" "	1 00
3	" "	1 00
4	" "	1 00
38	Drive wheel	2 00
39	Frame rod	60
40	Hopper screw	1 00
41	Upper elbow box	80
42	Lower "	80
43	Crank handle	80
44	Wheel washer	20
45	" bearing	70
46	Casting on post	20
47	Shoe eye	$0 50
48	Shake elbow	60
49	Shaft box	75
50	Hopper screw nut	40
51	Front hanger casting	30
52	Back " "	30
53	Hopper screw guide	50
54	Long hook	40
55	Strap hanger	60
56	Short hook	30
57	Shaft with pinion, box and eccentric	4 00
58	Shake rod	60
59	Shoe rod	60

VICTOR FEED MILL AND POWER



VICTOR GRINDING MILLS AND HORSE POWERS

No. of Part.	Name of Part.	Price.	No. of Part.	Name of Part.	Price.
A	Point sweep casting	$1 00	52	Shaft collar	$0 40
VB	Butt " "	3 00	53	Upper friction collar, hard iron	40
D	Crushing case	2 25	54	Coupling pawl	40
E	Cross cutter	75	55	Spring key for coupling	40
HH	Burr plate, No. 6 and No. 9 mills	2 25	56	Coupling spring	40
L	Shut off	40	57	Brace to hold stay rod on sweep	40
O	Top cutter	40	58	Chain and link on end of sweep	1 00
T	Center shaft	1 00	59	Spout for No. 8 and No. 9 mills	25
NV1	Master wheel	17 50	60	Balance wheel for No. 6 mill	7 50
V 11 A	Top plate for No. 8 mills	2 25	61	" " " No. 9 "	7 50
V 3 B	Bottom frame for No. 8 and 9 mills	15 00	62	Tumbling rod pulley, 20 inches	4 50
V 3 D	" " " No. 6	12 00	63	Hand wheel bolt	40
V 4 A	Top frame, Nos. 6, 8 and 9 mills	7 50	64	Hopper for No. 6 and No. 9 mills	2 25
V 5 A	Spur wheel	7 00	40	" casting for No. 8 mill	75
V 7	Regulating feed lever	1 00	65	" for No. 8 mill	1 50
V 10	Spur pinion	1 00	66	Spout for No. 6 mill	75
21	Coupling box	75	67	Steel stud pin	3 00
22	" knuckle	75	68	Top frame for No. 6 power	4 50
23	" ring	40	69	Upright shaft for No. 6 power, 12x1⅛ in.	2 25
24	Shaft knuckle	75	70	Cross shaft for Nos. 8 and 9 mills, 20¾x1⅛	3 50
V 26	Bevel wheel, Nos. 8 and 9 mills	2 25	71	Upright shaft, Nos. 6, 8 and 9 mills, 22x 1⅛ in	3 75
V 27	" pinion, Nos. 8 and 9 mills	1 00			4 50
T 33	Top plate, Nos. 6 and 9 mills	2 25	72	Line shaft, 13 feet long	1 75
V 39	Burr plate for No. 8 mill	2 25	73	Stay rod	75
50	Hand wheel	40	74	Lead pole	2 25
51	Lower friction collar, hard iron	40	75	Wood sweep	

CALIFORNIA FEED MILL

No.	Name.	Price.	No.	Name.	Price.
1	Bed plate	$3 00	9	Hand wheel	$0 40
2	Cap	3 00	10	Pulley and set screw	5 00
3	Revolving bed plate	3 00	11	Worm	1 25
4	Oil cup, steel center	75		Slide	50
5	Cap	1 25		Pc. spring steel	50
6	Box	1 25		Shaft	4 00
7	Hand wheel	75		Slide	40
8	" " and screw	75		Mill rings, 7 inch, per set	1 00

NASH AND CUTTS' FANNING MILL

No.	Name.	Price.	No.	Name.	Price.
1	Wheat gang	$5 50	3	Cheat screen, wire	$1 75
2	" "	6 75	1	Alfalfa gang	3 00
3	" "	10 00	2	" "	4 00
1	Barley "	2 75	3	" "	5 50
2	" "	4 00	1	" screen, wire	1 25
3	" "	5 50	2	" " "	1 50
1	" Sieve, single	1 00	3	" " "	1 75
2	" " "	1 25	1	Bean gang	2 00
3	" " "	1 50	2	" "	2 50
	Side shake, complete	1 00	3	" "	3 50
	Ratchet irons for screen	40		Crank gear and handle	2 00
1	Zinc screen	1 25		" handle	75
2	" "	1 50		Small gear	75
3	" "	1 75		Shaker bracket	75
1	Cheat screen, wire	1 25		" springs	75
2	" " "	1 50	...	...	...

"B. & H." CIDER MILLS

JUNIOR MILL

No.	Name.	Price.
39	Upper roller	$2 25
41	Upper large gear	1 75
42	Lower "	1 75
18	Casing, crank side	1 00
32	" balance wheel side	1 00
9	Cast beam	4 50
33	Stave, beam side	75
36	Rear casing stave	75
43	Scrapers, each	25
45	Screw hand wheel	1 75
11	" step	1 00
44	Crank	1 25
37	Box, crank side	1 00
38	" gear "	1 00
40	Balance wheel and pinion	3 50
V	Loose roller box	30
	Press screw	3 50

SENIOR MILL

1	Upper roller	$3 00
2	Lower large gear	1 75
3	Upper "	1 50
4	Lower gear pinion	75
5	Casing, crank side	$1 00
6	" balance wheel side	1 00
7	Upper gear pinion	75
8	Cast beam	7 00
10	Rear casing stave	1 50
12	Casing stave, beam side	1 00
13	Throat plate	75
14	Roller scraper	30
15	Screw hand wheel	3 25
16	" step	1 25
17	Crank	1 50
27	"Second" crank	1 50
28	Gear cover	80
29	Shaft box	55
30	Pinion stand	75
31	Balance wheel	3 75
34	Pinion	75
2	"Second" large gear	1 75
A	Box, balance wheel side	90
B	" crank side	90
O	" on outer rail	50
X	" for loose roller	30
	Malleable thumb screw	20
	Balance wheel roller	3 75
	Crank roller	3 75
	Press screw	4 75

HUTCHINSON CIDER MILL

Yoke and hopper for No. 0 Mill		$3 50
Front part of hopper	"	2 00
Grinder plate and shaft	"	2 50
Press screw	"	4 00
Balance wheel	"	3 00
Yoke and hopper for No. 1 Mill		$3 75
Front part of hopper	"	2 25
Grinder plate and shaft	"	3 00
Press screw	"	4 50
Balance wheel	"	3 50

BUCKEYE IMPROVED CIDER MILL

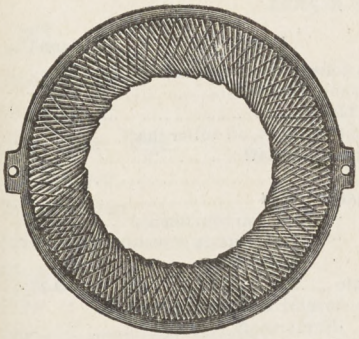
JUNIOR SIZE

No.		Price.
50	Small pinion for zigzag roller	$0 75
51	" " straight roller	75
52	Gear for feed roller and crank shaft	1 50
53	Fly wheel	3 75
54	Nut for screw	1 00
55	Large cap washer for screw	50
56	Step for screw with set screw	1 00
57	Crank	1 00
58	Small adjustible box, right	40
59	" " left	40
60	Long box for side, left	1 00
61	" " right	1 00
62	Scraper	30
63	Capstan for screw	2 25
64	Box side	1 00
65	"	1 00
66	Front end	75
67	Back "	75
68	Box side, right	1 00
69	" left	1 00
70	Front end	75
71	Back "	75
72	Zigzag roller	3 50
73	Straight "	3 50
74	Feed "	2 25
75	Cast washer	10
76	Fly wheel with pinion	4 25
77	Double gear wheel	1 75
78	Back end	75
79	Box sides, R. H	1 00
80	" L. H	1 00
	Wrought iron screw	5 00
	" " with capstan	7 25

SENIOR SIZE

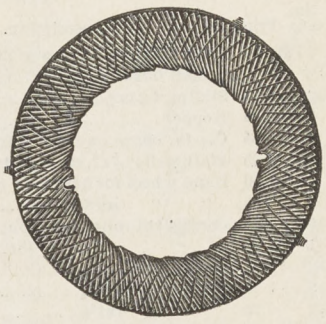
No.		Price.
1	Beam	$7 50
2	Capstan	3 00
3	Balance wheel	4 00
4	Crank	1 25
5	Wrench	25
7	Gear for feed roller, old	1 25
8	Pinion " "	1 00
9	Gear for Zigzag roller	1 50
10	Pinion " "	75
11	Step for screw with set screw	1 25
12	Scraper	25
13	Feed roller	3 00
14	Long box for side with set screws, old	1 00
15	" " "	1 00
16	Small adjustable box, right and left	40
17	Short box for shaft	50
18	Throat	60
19	Kindleberger side	1 10
20	Thomas, Ludlow & Roger's side	1 10
21	End with set screw	1 50
22	Blank end	1 00
23	Zigzag roller, old	3 75
24	Straight "	3 75
25	Large washer	15
26	Small "	10
27	Long box with set screws	1 00
28	" " "	1 00
30	Gear for crank roller, new	1 25
31	Pinion for fly wheel roller, new	75
	Wrought iron screw	7 00
	" " with capstan	10 00

VICTOR MILL BURRS

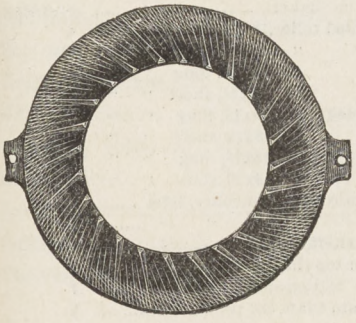


Upper

B 9 AND B 10

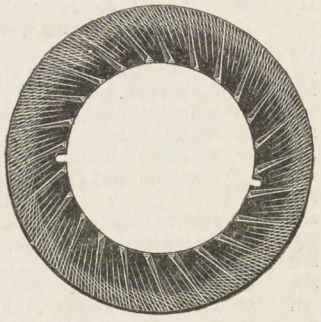


Lower

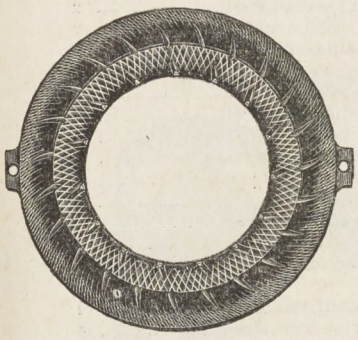


Upper

V 7 AND V 8

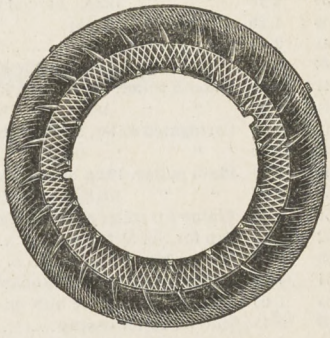


Lower



Upper

VB 11 AND VB 12



Lower

MILL RINGS AND GRINDING PLATES

Description—	Price.
California feed mill rings, 7 inch	$1 00
Horse and hand grain mill	7 00
Tortilla mill grinders, No. 1	3 50
" " " No. 2	5 00
" " " No. 3	7 50
Nonpareil mill, No. 1	9 00
" " No. 2	7 50
" " No. 3	5 00

Description—	Price.
Victor mill burrs, A and B	$1 50
" " " V7 and V8	1 75
" " " B9 " B10	1 75
" " " VB11 and VB12	2 00
" " " double reduction	2 00
Bone mill, No. 650	3 50
" " No. 750	3 50
Mann's green bone cutter	5 00

ENTERPRISE COFFEE, SPICE AND DRUG MILL GRINDERS

No.	1	2	2½	3	4	5	6	7	8	9	10	12	14	16	18	18½	19	20
Price..	75c	75c	75c	75c	75c	$1.00	$1.00	$1.00	$1.00	$2.00	$2.00	$2.00	$2.00	$2.00	$2.00	$3.00	$3.00	$3.00

BENICIA BARLEY CRUSHERS

No. cstg.	Price.	Description.	Size used on.
1	$14 00	Main frame with lower half of roller shaft boxes	1
2	5 75	Sliding frame	1
3	6 75	Hopper	1
4	85	Cap for boxes on main frame	1
5	3 25	Plain pulley, 7x7, on long shaft of roller	1
7	60	Hand wheel for adjusting screw	1
8	60	" " screw	1
10	12 25	Corrugated roller with long shaft	1
11	12 75	" " " short "	1
12	1 85	Cone pulley	1
13	1 50	Plain " 12x2¾	1
14	70	" " 6x1½	1
15	70	Eccentric	1
16	40	Flange box, single hub, on elevator	1
17	60	" " double " " "	1
18	15	Gate head in sacking spout	1
19	55	" " "	1
20	1 50	Elevator pulley, inside 4⅝x5⅝	1
26	75	Flange box, on elevator	2
27R	2 50	Roller shaft box, babbitted	2-3
37	35	Wedge block	2-3
37B	1 85	Eccentric	2-3
37C	1 65	Eccentric strap } out of use	
37D		" " } replaced by No. 60	
37E	2 15	Side for roller casing	2
37F	4 25	Frame for roller shaft boxes	2-3
37H	3 15	Cap for 37F frame	2-3
37K	60	Hand wheel without screw	2-3-3½-4
37L	85	Box for countershaft, babbitted	2-3
37M	75	Cap for No. 37L box	2-3
38	11 75	Plain pulley, 18x7½, on long roller shaft	2-3
39	2 75	" " 12x4, on countershaft	2-3
40	1 35	" " 5x5½ "	2-3
41	2 75	" " 12x4	2-3
43	2 50	" " 5x6¼ inside elevator	2-3
44A	43 00	Smooth roller, 18x12, with long shaft	2
44B	41 00	" " 18x12, " short "	2
44C	44 00	Corrugated roller, 18x12, with long shaft	2
44D	42 00	" " 18x12, " short "	2
46	2 75	Plain pulley, 12x4, on rollershaft	2-3
50	14 25	" " 18x8¼ "	4
51	8 00	Frame for roller shaft boxes	4
52	4 50	Cap for No. 51 frame	4
53	1 00	Wedge block	4
54	4 00	Box for roller shaft, babbitted	4
55	1 00	Flange box, double hub, on elevator	3
56	2 15	Side for roller casing	3-4
57	2 50	Plain pulley, 5¼x8¼, inside elevator	4
58	3 50	" " 8¾x4, on roller shaft	4
60	1 65	Eccentric strap	2-3-3½-4
61	14 25	Plain pulley, 18x8¼, on roller shaft	3½
62	3 00	" " 5¼x8¼, inside elevator	3½-4
63	2 75	" " 12x4¼, outside "	3½-4
64	1 25	Sprocket, 10 T, inside elevator, when chain is used	3½-4
65	1 85	Flange box, on elevator, double hub	3½-4
66	50	Tightener frame, on elevator	3½-4
67	95	" " box on elevator, without adjusting screw	3½-4
68	4 25	Frame for roller shaft boxes	3½
69	3 95	Cap for No. 68 frame	3½

No. cstg.	Price.	Description.	Size used on.
70	$3 50	Box for roller shaft, babbitted	3½
71	2 15	Side for roller casing	3½
72	50	Wedge block	3½
73	3 50	Plain pulley, 8¾x4, on roller shaft	
74	35	Box for countershaft	3½-4
75	35	" "	3½-4
76	2 75	Plain pulley, 12x4	2-3
77	2 75	" " 12x4, on countershaft	2-3-3½-4
78	2 35	" " 12x4, outside elevator	2
79	2 75	" " 5x6¼, inside "	2
80	2 00	Eccentric	2-3-3½-4
81	85	Box for elevator shaft, babbitted	2
82	85	" " countershaft, "	2-3-3½-4
83	75	Cap for No. 82 box	2-3-3½-4
84	1 35	Plain pulley, 5x5½, on countershaft	2-3-4
85	25	Button on shaker	1-2-3-3½-4
86	85 00	Corrugated roller, 18x24, long steel shaft	4
86A	80 00	" " 18x24, short " "	4
86B	80 00	Smooth " 18x24, long " "	4
86C	75 00	" " 18x24, short " "	4
87	63 00	Corrugated " 18x18, long " "	3½
87A	58 00	" " 18x18, short " "	3½
87B	58 00	Smooth " 18x18, long " "	3½
87C	56 00	" " 18x18, short " "	3½
	3 25	Long main shaft, for roller, steel	1
	2 75	Short " " " " "	1
	75	Countershaft, steel	1
	50	Elevator top shaft, steel	1
	35	" bottom shaft, steel	1
	9 75	Long main shaft, for roller, steel	2
	7 25	Short " " "	2
	3 65	Countershaft, steel	2
	85	Elevator top shaft, steel	2
	55	" bottom shaft, steel	2
	11 00	Long main shaft for roller, steel	3
	9 00	Short " " "	3
	3 50	Countershaft, steel	3
	1 00	Elevator top shaft, steel	3
	50	" bottom shaft, steel	3
	15 50	Long main shaft for roller, steel	3½
	11 75	Short " " "	3½
	4 00	Countershaft, steel	3½
	1 60	Elevator top shaft, steel	3½
	1 00	" bottom shaft, steel	3½
	21 00	Long main shaft for roller, steel	4
	18 00	Short " " "	4
	4 00	Countershaft, steel	4
	2 00	Elevator top shaft, steel	4
	1 00	" bottom shaft, steel	4
	25	" cups, for chain	3½-4
	25	" " " belt	3½-4
	13 25	" chain with cups attached	3½-4
	39 50	" complete, with belts and cup pulleys, shafts and sacking spout	1
	67 00	Elevator, complete as above	2
	90 00	" " "	3½
	90 00	" " "	4
	7 00	Sacking spout and sack holder	1
	7 00	" " " " "	2
	10 00	" " " " "	3½
	10 00	" " " " "	4

Recorrugating roller for No. 1 ..... each $2 50
" " " No. 2 ..... " 5 00

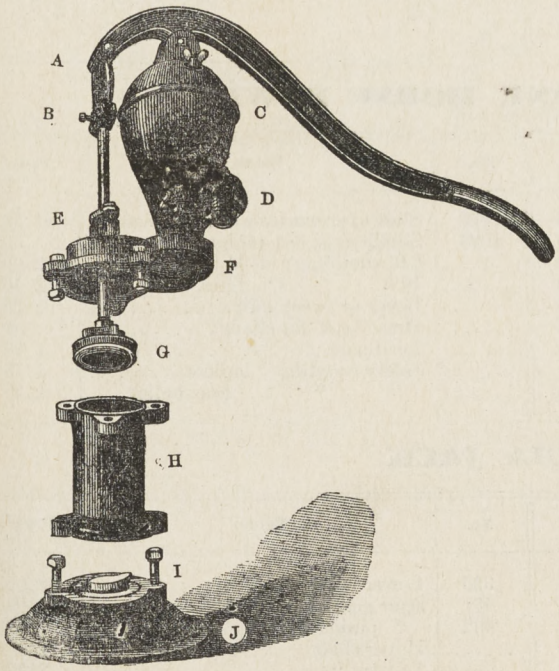
Recorrugating roller for No. 3 or 3½ ..... each $ 7 50
" " " No. 4 ..... " 10 00

When filling orders for rollers, we furnish them with shaft. If you desire roller only, without shaft, send us old roller so that shaft can be fitted to it. This is absolutely necessary in order to balance roller on shaft.

DRAW-CUT MEAT CHOPPERS

Description	No. 5	No. 2	No 6
Crooked shaft	$3 00	$3 00	$4 00
Straight "	2 50	3 00	3 50
Gear wheel, large	2 50	3 00	3 50
" Pinion	1 25	1 25	1 25
Worm pinion	75	75	75
Ratchet pinion	1 50	1 50	1 50
Block	6 00	9 00	9 00
Plow	1 25	1 25	1 25
Knives (send paper pattern) each	2 00	2 25	2 25
Crank	75	75	75
Oscillating bars per set	75	75	1 00
Box caps, babbitted each	75	75	75
Knife shaft boxes "	25	60	50
Knife holders per set	25	25	25
Adjusting bolts each	50	50	50
Knife bolts "	10	10	10
Springs "	25	25	25
Pulleys "	....	....	3 00
Travelers on bed-plate	25	25	25

FARMERS' FORCE AND SUCTION PUMP



Name	Price
A—Lever	$0 75
B—Crosshead	25
C—Air chamber	2 00
D—Spout	75
E—Stuffing box gland	15
F—Offset	1 00
G—Plunger and rod	75
H—Cylinder	1 25
I—Lower valve	25
J—Base	1 50

SWEEPSTAKE HORSE POWERS

Name.	Pony.	Dairy Queen.	Eagle.	Eclipse.	Economy.
Bed plate	$10 00	$20 00	$25 00	$25 00	$25 00
Bevel pinion	3 50	3 50	4 50	3 50	3 50
Crown wheel	.....	.....	17 50	12 50	12 50
Spur "	.....	.....	15 00	.....	.....
Traveller roll	1 00	1 00	.....	.....	.....
" standard	3 25	3 50	.....	.....	.....
Master wheel—one sweep	15 00	25 00	30 00	20 00	30 00
" two sweeps	.....	.....	.....	.....	50 00
Complete sweep	5 00	5 00	5 00	5 00	5 00

BENICIA HORSE POWERS

No.	Farmers.	Price.	No.	Eureka.	Price.
19	Tongue block in coupling jaw	$0 25	2	Arch slide	$1 50
20	Coupling jaw for extension rod	75	3	Box and box cap, outer end	1 75
53	Lead eye	1 25	4	Box and cap, inner end	2 00
55	Center post cap	25	53	Lead eye	1 25
58	Power chair or slide	75	55	Center post cap	25
157	Knuckles for safety couplings	75	58	Power chair or slide	75
569	Rings " "	75	166	Master wheel. NO Machine work.	12 00
.....	Safety couplings complete	1 75	167	Bevel pinion Mach't. 1" 16 B 3/8 Key grave	50 Granted
166	Master wheel	12 00	169	Lever eye	1 75
167	" pinion	1 50	170	Center post	1 50
168	Arch slide	1 50	171	Clip for small sweep	1 50
169	Lever eye	1 75	189	Crank pulley, 18 inch	5 00
170	Center post	1 50	190	" pin for pulley	1 75
326	Power box cap (with 327 box)	1 75	.....	Lever or sweep only	2 25
.....	" shaft	2 50	.....	" " complete	2 50
.....	Lever without draw hook	2 25	.....	Lead pole	1 00
.....	Lead pole	1 00	.....	Tumbling rod, solid	6 50
.....	Extension tumbling rod, complete	7 50	.....	Drawhook fo sweep	50
.....	Draw hook for lever	50			
.....	Sledge.....per lb.	7			

FAST MOTION ONE HORSE POWER

No.	Name.	Price.	No.	Name.	Price.
55	Center post cap	$0 25	1095	Slide over master wheel opposite arch	$1 50
166	Master wheel	12 00	1098	Shield over fast pinion	50
167	Bevel pinion	1 50	.....	8 ft. tumbling rod, 1½ in. diameter	2 00
170	Center post	1 50	.....	10 ft. " " 1⅛ in. "	2 50
326	Power box	1 75	.....	Lever or sweep only	2 25
605	Spur gear	3 50	.....	Draw hook for sweep	50
677	Slide under master wheel	1 00	.....	Lead pole	1 00
739	Spur pinion	1 25	.....	Safety coupling mplete	1 75
783	Arch	1 50	.....	" " fo orn sheller	2 25

BENICIA JACK

No.	Name.	Price.	No.	Name.	Price.
93	Spur gear wheel, O.S.	$5 00	326	Lower boxes, each	$2 00
94	" pinion, O.S	2 00	461	Spur gear wheel, N.S.	4 00
97	Cast frame, O.S	4 00	462	" pinion, N.S	1 50
98	Upper box caps, each, O.S	50	.....	Upper shaft	2 50
124	Rope wheel	3 50	.....	Lower "	2 50
188	Band wheel, 19 in diam., 4½ face	7 50	.....	Rope	.....

Economy H.P.

1
2
3
4
5
6
7
8
9
10
11
12
13 - C. iron crank pin 1 7/8" dia 2 5/8" long.
Master gear for 2 horse power
babbitted on center table on arbor.

Journal box or cap 1 50
Fly wheel 8 00
" block 25

SWEEPSTAKE HORSE POWERS

188	Band wheel, 19 in diam., 4½ face...	7 50	.....	Rope.....	.....

FARMER'S OWN POWER AND JACK

POWER

No.	Name.	Price.
684	Master wheel rim	$35 00
	Rim, with arms and center	40 00
685	Bull pinion	3 50
686	Center pin for master wheel	1 50
687	" " stand for master wheel	1 50
688	" piece for master wheel	5 00
690	Spur wheel	6 00
691	Spur pinion	$2 50
692	Lever stand	2 50
694	Line shaft box	2 00
701	" " "	2 00
702	Arch stand	3 50
717	Piece over master wheel	1 00

JACK

No.	Name.	Price.
682	Bevel wheel	$5 50
683	" pinion	2 00
693	Pulley	8 00
694	Box	$2 00
715	Snap coupling hub, left hand	1 50
716	" " jaw, " "	1 50

BELLE CITY POWER—TWO OR FOUR HORSE

No.	Name.	Price.
1 U	Bull wheel, 116 cogs	$25 00
2 U	" pinion, 13 cogs, 1 5-16 hole	3 50
3 U	Bevel wheel, 64 cogs, 1 5-16 hole	7 50
4 U	" pinion, 16 cogs, 1 7-16 hole	2 50
5 U	Spur wheel, 32 cogs, 1 7-16 hole	4 50
6½U	" pinion, 17 cogs, 1 7-16 hole	2 50
7 U	Cap to hold bevel wheel pin	2 75
8 U	Step rest for bevel wheel	2 00
9 U	Traverse roller for bevel wheel	75
10 U	" " stand	1 00
11 U	Stationary part to roller stand	75
12 U	Box for line shaft	2 50
13 U	Casting for lever or lever eye	2 50
14 U	Toe iron for lever on bull wheel	2 00
15½U	Support for No. 24U roller, R. H.	75
16½U	" " No. 24U " L. H.	75
19 U	Hitching iron on end of lead pole	1 00
21 U	Toe socket for lead pole	75
22½U	Iron to hold bull wheel down, R. H.	70
23½U	" " " " " L. H.	70
24 U	Roller to support bull wheel	50
33¾	Jaw for snap coupling for pawls, 1 1-16 round hole	$1 00
33¼	Jaw for opp. side snap coupling, 1⅛ sq. hole	75
34¼	T hub and ratchet part of snap coupling, 1¼ round hole	1 50
93 W	Coupling ring for snap coupling	75
.....	Pawls for snap coupling	25
35 W	Girt support	50
.....	Snap coupling complete, right or left	4 00
316	Box and support for T rod on jack block, 1 5-16 hole	2 50
.....	Main shaft	9 00
.....	Spur wheel shaft	2 25
.....	Pin for bevel wheel, 4U	2 00
.....	Tumbling rod, 13 feet long	5 50
.....	Draw hook for lever, with 2 links and eye bolt	2 00
.....	Hook for brace rod, wrought, each	1 25
.....	Pulley, 24 in. by 4 in. face	7 50

CULVER'S PATENT POWER AND DRAG SAW

Name.	Price.
Master wheel	$25 00
Bevel pinion	2 75
Spur wheel	4 25
" pinion	2 50
Center post	2 50
Arch over bevel pinion	3 25
Small rubber	1 25
Journal box or cap	1 50
Fly wheel	8 00
Box for fly wheel shaft	$2 75
Cap next fly wheel	1 25
" coupling	75
Saw pitman	4 00
Wrist in fly wheel	2 00
Track wheel	3 50
Coupling jaw	75
" block	25

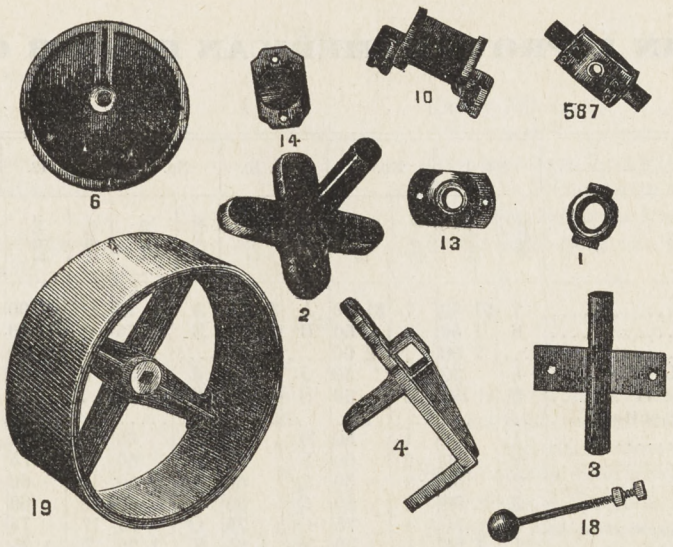
HEEBNER'S DOUBLE GEARED LEVEL TREAD HORSE POWER

	One Horse.		Two Horse.	
	No.	Price.	No.	Price
Wooden lags, each	....	$0 50	....	$1 00
Cross rods, each	....	60	....	1 10
Band wheel shaft	....	4 25	....	7 50
Front reel head shaft	....	2 25	....	3 75
Rear " "	....	2 00	....	3 50
Front reel heads, each	41	3 75	61	4 00
Rear " "	62	3 30	62	3 75
Main gear wheel	114	3 75	114	3 75
" " set screws (steel)	....	35	....	35
Intermediate gear wheel	115	2 00	115	2 00
Pinions, each	116	1 50	116	1 50
Front gear shaft box, right hand	90	2 00	90	2 00
" " left hand	89	2 00	89	2 00
" " caps, each	77	30	77	30
Rear reel head shaft box, right hand	64	1 00	64	1 00
" " " left hand	63	1 00	63	1 00
" " " bed plate	A	25	A	25
Chain links, right hand, each	37	40	56	40
" left hand, "	38	50	57	50
Chain connecting link, right hand	36	50	59	75
" " left hand	35	50	58	75
Track wheels, each	....	50	....	60
Upper track rail, right hand	46	3 00	46	3 00
" " left hand	45	3 00	45	3 00
Front lower track rail section, right hand	....	1 00	....	1 00
" " " " left hand	....	1 00	....	1 00
Rear " " "	....	1 00	....	1 00
Rear semi-circle outside guide, right hand	74	75	74	75
" " " " left hand	73	75	73	75
Front " side " each	49	40	49	40
Wrought iron rail support posts, each	....	25	....	25
Band wheel, complete	....	9 00	....	9 50
" hub, with plate	110	2 25	112	2 50
" hub plate	111	45	113	50
" shaft nut	....	50	....	50
Ratchet plate on brake lever	122	25	....	25
Shield for gear, right hand	95	75	....	75
" " left hand	96	75	....	75

SPEED REGULATOR

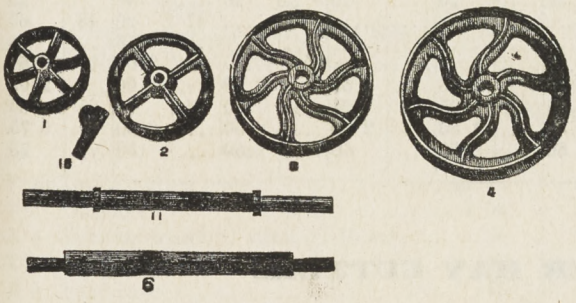
Oscillating friction rim	99	3 50	106	3 75
Stationary pivot rim	100	1 50	104	1 75
Spider	101	3 75	101	4 00
Gear cams, each	109	25	109	25
Friction blocks, each	....	40	....	40
Weights, each	107	2 00	108	2 25
Connecting hand	102	1 50	102	1 50
Steel set screw	....	50	....	60
Steel springs, each	....	50	....	60
Regulator belt and thumb nut	....	50	....	60
Pivot bolts, each	....	20	....	30

IMPROVED GILLIS HORSE POWER



No.		Price each
1	Collar	$ 65
2	Standard gudgeon	3 50
3	Beam winged gudgeon	1 75
4	Standard	4 00
587	Cap and box for shafting, intended for Nos. 5 and 7	2 00
6 or 9	Crank wheel	2 50
8–2	Caps for No. 10—no cut	50
10	Cap to standard	1 60
13	" " ball box	65
14	Box to ball	50

No.		Price each
18	Ball	$ 65
19	Traction wheel for medium power	20 00
20	Thimble—no cut	25
21	Shaft—no cut	9 00
22	Collar to shaft—no cut	30
23	Wrist pin for crank wheel—no cut	1 50
24	Balance weights, circular, "	5 00
25	" " ½ " "	2 50
26	1 Draw head—no cut	1 50
27	1 Wrist pin box, wood, with straps	75



"B. & H." STORE AND WAREHOUSE TRUCK

Number of wheel	1	2	3	4	5
Fit truck numbers	1	2	3	4	5
Diameter of wheel, inch	6¼	7⅛	10	11¾	13
Price of wheels, each	$0 75	$1 00	$1 50	$2 00	$2 50
No. 11 axle for inside w-trucks	1 25	1 50	1 75	2 25	2 75
" 6 " " outside "	1 25	1 50	1 75	2 25	2 75
" 16 boxes for axles	25	25	25	35	35

RAYBURN & BELL SPRING TRUCKS

	No. 1	No. 2	No. 3	No. 4
Side Brackets	$1 00	$1 00	$1 00	$1 25
Spring	50	50	50	75
Spring blocks	10	10	10	15
Axles	1 00	1 25	1 50	1 75
Wheels, 6 inch	75	....	....	....
" 9 "	....	1 00	1 00	....
" 10 "	....	....	....	1 50
Wood side arms	2 00	2 25	2 50	2 75
" cross girths	50	75	1 00	1 25
Legs	1 25	1 50	1 50	1 75
Snout	2 25	2 50	3 00	3 50

BALDWIN IMPROVED AMERICAN FODDER CUTTER

No. of Machine.	No. 1.		No. 9.		No. 10.		No. 11.		No. 12.		No. 13.		No. 14.	
Description.	Mark.	Price.	Mark.	Price.	Mark.	Price.	Mark.	Price.	Mark.	Price.	Mark.	Price.	Mark.	Price.
Right hand side stand	7	$1 50	7	$1 50	A	$1 75	A	$1 75	D	$2 00	D	$2 00	E	$2 50
Left " "	8	1 50	8	1 50	B	1 75	B	1 75	C	2 00	C	2 00	F	2 50
Knife head and shaft	....	2 00	....	2 00	....	2 25	....	2 50	....	3 00	....	3 50	....	5 00
Pinion on knife shaft, R. H	5	50	5	50	J	50	J	50	I	50	I	50	I	50
" " " L. H	6	50	6	50	S	50	S	50	....	50	....	.....	....	.....
Clutch pinion on power cutters	....	.....	....	.....	....	.....	....	.....	....	.....	....	1 25	57	1 25
Shortest cut feed gear	1	50	1	50	M	60	M	60	16	75	16	75	16	75
Second " "	2	50	2	50	P	60	P	60	15	75	15	75	15	75
Third " "	3	50	3	50	Q	60	Q	60	14	60	14	75	14	75
Fourth " "	3	50	3	50	Q	60	Q	60	13	60	13	75	13	50
Top feed roll gear	4	75	4	75	O	75	O	75	17	75	17	75	17	75
Driving gear	11	1 00	11	1 00	K	1 25	K	1 25	Z	1 35	Z	1 35	Z	1 35
Cranks	12	75	12	75	N	75	N	75	R	1 00	R	1 00	29	75
Right hand link	9	25	9	25	G	25	G	25	Y	25	Y	25	Y	25
Left " "	10	40	10	40	H	50	H	50	18	75	18	75	18	75
Box caps	....	40	....	40	....	40	....	40	....	50	....	50	....	60
Cross bar piece sides are bolted to	32	75	33	75	34	80	35	80	36	75	36	1 25	38	1 75
Knife plates on ledger blade	....	25	....	25	....	30	....	50	....	50	....	75	....	75
Top feed roller	....	1 25	....	1 25	....	1 25	....	1 25	....	2 00	....	2 00	....	2 50
Bottom "	....	1 25	....	1 25	....	1 25	....	1 25	....	2 00	....	2 00	....	2 50
Balance wheel	....	3 50	....	3 50	....	3 50	....	3 50	....	5 50	....	8 00	....	10 00
Feed arms, left hand	....	20	....	20	....	20	....	20	....	30	....	30	....	40
" right "	....	20	....	20	....	20	....	20	....	30	....	30	....	40
Guide bar in front of top roll	52	20	40	20	41	20	42	20	43	35	43	50	45	60
Gear cap	....	20	....	20	....	20	....	20	....	25	....	25	....	25
Small wrench	....	20	....	20	....	20	....	20	....	20	....	40	....	25
Balance wheel nut wrench	....	.....	....	.....	....	.....	....	.....	....	.....	47	20	48	60
Tray cap	....	.....	....	.....	....	.....	....	.....	....	.....	....	75	....	75
Pulley	....	.....	....	.....	....	.....	....	.....	....	.....	....	3 00	....	3 50
Bonnets	....	1 25	....	1 30	....	1 40	....	1 50	....	2 00	....	2 00	....	2 00
" flap	19	20	21	25	22	25	23	25	24	40	24	40	25	60
Knives, each	....	1 25	....	1 50	....	1 50	....	2 25	....	2 50	....	2 50	....	3 75
Stud pins for feed gear	....	50	....	50	....	50	....	50	....	50	....	50	....	75

HIDE ROLLER HAY CUTTERS

Hide rollers, No.	00	0	1	2	3
Each	$3 00	$3 75	$3 75	$3 75	$4 00

When ordering give number of cutter, and state if roller has wrought or cast side washers.

WHEELBARROW WHEELS

Iron	$1 50	Benicia, Nos. 3 and 4	$2 75
Wood	1 25	Wheel boxes, per pair	50
Benicia, Nos. 1 and 2	2 50		

BELLE CITY HAY CUTTERS

No. 7

No.	Name.	Price.
7	Hood	$1 75
X 2	Cutting plate	1 00
X 3	Outside cutting plate	50
H 11	Casting to support handle	60
H 12	Knife frame	1 50
....	Slide ways for knife frame	15
....	Fulcrum for handle	35
....	Knives, full size	$0 25
....	" half "	15
....	Bolts for knives, 5-8 x 3-16, per doz	25
....	Casting to hold gauge to frame	35
....	Gauge bar, 15¾ inches long	25
....	Bolt to fasten gauge bar, ⅝x1½	05

No. 5

No.	Name.	Price.
X 2½	Cutting plate	$1 50
X 3	Outside cutting plate	60
X 7	Stud for sprocket wheels	50
X 9	Feed pawl	15
X 10	Stop dog	30
X 12	Knife frame	2 00
X 15	Side plate and box, right	90
X 16	" " left	90
X 18	Ratchet wheel, 32 teeth, 11-16 hole	60
X 19	Pawl holder, complete	1 00
....	Hood, marked with letters No. 5	2 25
....	Crank wheel with handle	2 25
....	" shaft	1 75
....	Section for upper roll, long teeth	35
....	" " lower " short "	25
....	Ends for rolls	35
....	Shaft for upper roll, 17 inches long	75
....	" " lower " 19¼ " "	90
....	Sprocket wheel, 11 teeth, 11-16 hole	50
....	Chain, 62 links of No. 25	60
....	Slide ways for knife frame	$0 15
....	Pitman head, with set screw	50
....	" rod, 15x⅜ inches, wrought	15
....	Shield over sprocket wheels	35
....	Feed gauge, with figures 1, 2, 3, 4 and 5.	20
....	Spring for feed pawl, small	05
....	" " pawl holder, large	15
....	Knives, full size, each	25
....	" half " "	15
....	Bolts for knives, ⅝x3-16, per dozen	25
....	" hood, ⅝x¼	05
....	" rolls, ⅝x3-16	05
....	" feed gauge, 2¼x¼	10
....	Set screws for cast pitman head, ⅜x½	10
....	" " crank wheel, 1x½, each	10
....	Gate for spring, (hangs on upper roll shaft)	45
....	Steel spring for gate	60
....	Pitman, wood, right hand, each	75
....	" " left " "	60

No. 10

No.	Name.	Price.
F 2½	Inside cutting plate	$2 50
F 3	Outside " "	1 00
X 4	Sprocket wheel, 11 teeth, 11-16 hole	50
F 7	Stud for sprocket wheels	50
X 9	Feed pawl	15
X 10	Stop dog	30
F 11	Pitman head, with set screw	50
F 12	Knife frame	2 75
X 15	Side plate and box, right	90
X 16	" " left	90
X 17	End for rolls	40
X 18	Ratchet wheel, 32 teeth, 11-16 hole	60
X 19	Pawl holder, complete	1 00
....	Hood, iron	2 50
....	Crank wheel, with handle	3 25
....	" shaft	2 25
....	Sections for upper roll, long teeth	40
....	" " lower " short teeth	40
....	Shaft for upper roll, 21 inches long	1 00
....	" lower " 23 " "	1 10
....	Chain, 62 links, No. 25 chain	$0 60
....	Slide ways for knife frame	10
....	Pitman rod, 14¾x⅜ inches, wrought	20
....	Shield over sprocket wheels	40
....	Feed gauge, with figures 1, 2, 3, 4 and 5.	20
....	Spring for feed pawl, small	05
....	" " pawl holder, large	15
....	Knives, full size, each	25
....	" half " "	15
....	Bolts for knives, ⅝x3-16, per dozen	25
....	" hood, ⅝x¼	05
....	" rolls, ¾x3-16	05
....	" feed gauge, 2¾x¼	10
....	Set screws for pitman head, ⅜x½	10
....	" " crank wheel, 1x½	10
....	Gate for springs(hangs on upper roll shaft)	50
....	Steel spring for gate	65
....	Pitman, wood, right hand, each	75
....	" " left " "	60
....	Washers for crank shaft	05

BELLE CITY HAY CUTTERS—Continued

No. 1

No.	Name.	Price.
1	Hood (Cover over rolls marked No. 1)	$2 25
45	Gear on roll shaft, 40 cogs, 15-16 hole	1 50
50	Flange box on shifting shaft, 15-16	1 00
52	Roll, 17 rings	6 50
53	Top part of shifter lever, square	40
53½	" " " " beveled	40
54	Shifter lever, 15-16 hole, square	3 75
54½	" " " " beveled	3 75
55	Cutting plate, 18 teeth	2 25
57	Pinion on shifting shaft, 15 cogs, 15-16	1 00
58	" " lower roll shaft, 20 cogs	1 00
60	Double pinion on second shaft, 1 3-16 hole, 1¼ face	2 75
61	Double gear on shifting shaft, 15-16 hole, 1¼ face	2 60
64	Lower pinion on shifter lever, 15 cogs, 13-16	1 00
65	Double pinion on shifting lever, 13-16	1 50
66	Bevel gear on second shaft, 24 cogs, 1 3-16	2 25
67	" pinion on main shaft, 17 cogs, 1 7-16	2 00
68	Feed pinion on upper roll shaft, 20 cogs, 13-16	1 00
69½	Large box on main shaft	2 00
70½	Small box on main shaft, also on second shaft	1 50
72	Cap on shifting lever	50
73	Sliding box, with set screw	1 00
74	Crank	1 50
76	Round flange box for lower shaft, 15-16	70
77	Standard for rolling box	60
78	Fulcrum (not used with chain feed)	75
79	Quadrant	1 80
81	Ear for feed box, R., flat with bolt hole	30
81¼	" " " " stud	30
82	" " L., " bolt hole	30
82¼	" " " bent with stud	30
82½	" " " " " bolt hole	30
83	Rolling box	$0 50
85	Washer for frame	15
86	Lug for gate	15
87	Side plate, L. H., high, not used with chain feed	3 25
87½	Side plate, L. H., high, for chain feed	3 75
88	" " R. H., high	3 75
88½	" " " "	3 75
90	Link of side plate	75
91	Hanger, right side	1 10
92	" left side	1 10
93	Gate	1 80
96	Knife wheel, 2 spoke, curved knife	18 00
98	Washer for rolls, small	25
99	" " large	25
112	Steady box, on R. H. side plate, 15-16	30
116	Coupling, 2 5-16 diameter outside	75
129	Pulley, 18 inch diam., 4 inch face, 1 5-16	5 00
129½	" 12 " " " "	3 75
...	Main shaft	3 75
...	Second shaft	3 50
...	Shifting shaft	3 50
...	Lower roll shaft	3 75
...	Upper roll shaft, square part	2 25
...	" " " round "	1 50
...	Rod for gate, 15 x ⅜ inch	25
...	Spring for shifting lever	75
...	" " shaft	75
...	Knives, curved, 24 inches long, each	4 75
...	Set screws, 1¼ x ⅜, per doz	50
...	Knife bolts, 1½ x ⅜, per doz	75
...	Bolts for cutting plate, 6½x⅜, per doz	75
...	Bonnet (back of rolls)	2 00

No. 3

No.	Name.	Price
3	Hood, cover over rolls marked No. 3	$2 00
37	Steady box, 13-16 hole	30
38	Standard	60
40	Side plate, left	2 75
40½	" " " for chain feed	2 75
41	" " right	3 00
41½	" " " high, for chain feed	3 00
42	Link on side plate	60
43	Hanger, right hand, used with 46 gate	1 00
43½	" " used with chain feed	1 00
44	" left hand	1 00
44½	" " used with chain feed	1 00
45	Gear on lower roll shaft, 40 cogs, 15-16	1 50
46	Gate, used with common feed box	1 50
47	Cutting plate, 14 teeth	1 75
48½	Washer for upper roll	25
49	Knife wheel, 2 spokes, curved knife	15 00
50	Long flange box, 15-16	1 00
53	Top part on shifting lever, square	30
53½	" " " " beveled	30
54	Shifting lever, with pins only, square	3 75
54½	" " " " " beveled	3 75
57	Pinion on shifting shaft, 15 cogs, 15-16 hole	1 00
60	Double pinion on second shaft, 1 3-16 hole, 1¼ face	2 75
61	Double gear on shifting shaft, 15-16, 1¼ face	$2 50
64	Lower pinion on shifter lever, 15 cogs, 13-16 hole	1 00
65	Upper double pinion on shifter lever, 13-16 hole	1 50
66	Bevel gear on second shaft, 24 cogs, 1 3-16 hole	2 25
67	" pinion on main shaft, 17 cogs, 1 7-16 hole	1 80
68	Feed pinion, 20 cogs, 15-16 hole	1 00
69½	Large box on main shaft in front	2 00
70½	Small box on main shaft also on second shaft	1 50
72	Cap on shifter lever	50
73	Sliding box with set screw	1 00
74	Crank	1 50
75	Round flange box, R. end, 13-16 hole	90
76	" " " L. " 15-16 "	90
78	Fulcrum	75
79	Quadrant	1 80
80	Coupling (on upper roll shaft) 1⅞ diameter	45
81	Ear on feed box, R., flat with bolt hole	30
81¼	" " R., " stud	30
82	" " L., " bolt hole	30
82¼	" " L., " stud	30
82½	" " L., bent, for chain feed box	30

BELLE CITY HAY CUTTERS—Continued

No. 3—Continued

No.	Name	Price.
83	Rolling box	$0 50
85	Washer for frame	15
86	Lug for gate	15
129½	Pulley, 12 in. diam., 4 in. face, 1 5-16 hole	3 75
....	Roll, upper 12 rings	5 00
....	" lower 13 "	6 00
....	Main shaft	3 75
....	Second "	3 00
....	Shifting "	3 00
....	Lower roll shaft	3 75

No.	Name.	Price.
....	Upper roll shaft square part	$2 25
....	" " round "	1 50
....	Spring for shifter lever	75
....	" " shifting shaft	75
....	" " pressure on upper roll	1 10
....	Knives, curved style, 17½ inches long, each	4 50
....	Set screws for knife wheel, 1¼x⅜, per doz.	50
....	Knife bolts, 1½x5-16, per doz	75
....	Bolt for cutting plate, 6½x⅜, per doz	75
....	Bonnet back of rolls	1 50

No. 4

No.	Name.	Price.
4	Hood, cover over rolls marked No 4	$1 50
5	Center spur pinion on second shaft, 11 cogs, 15-16 hole	45
6	Washer on frame	10
7	Steady box for lower roll shaft	40
8	Washer for upper roll	15
10R	Hanger, right	60
10L	" left	60
11	Round flange box	75
12	Knife wheel, for curved knife	12 00
13	Double pinion, 11 and 15 cogs, 11-16 hole.	1 20
14	Coupling on upper roll shaft, 1⅜	40
15½	Side plate, left hand	2 25
16½	" right "	2 25
17	Standard for rolling box	40
18	Rolling box	40
19	Round flange box, 13-16	75
20½	Bevel gear shield	40
21	Gear on lower roll shaft, 29 cogs, 13-16	1 00
22	Pulley, 12 inch diameter, 3 face, 15-16 hole	3 00
23½	Bevel gear, 31 cogs, 15-16 hole	1 00

No.	Name.	Price.
24½	Box for main shaft	$1 50
26½	Quadrant	1 00
27	Cap on shifter lever	40
28	Crank	1 50
29	Feed gear, 16 cogs, 11-16 hole	75
30½	Bevel pinion on main shaft, 1 3-16 hole	1 00
31	Shifter lever, with pins only	2 25
32	Cutting plate, 12 teeth	1 50
34½	Solid box for second shaft	1 50
....	Main shaft	1 60
....	Second "	1 00
....	Lower roll shaft	1 50
....	Upper " square part	75
....	" " round "	75
....	Spring for shifter lever	75
....	" rolls	75
....	Lower roll, 11 rings	4 50
....	Upper " 10 "	3 75
....	Knives, curved style, 14½ inches long	3 75
....	Knife bolts, 1¼x5-16, per doz	75
....	Bolt for cutting plate, 4½x⅜, per doz	75

No. 11

No.	Name.	Price.
28	Crank	$1 50
30½	Bevel pinion on main shaft, 14 cogs, 1 3-16 hole	1 00
32	Cutting plate, 12 teeth	1 50
33	Sprocket wheel, 6 teeth, 15-16 hole	75
500	Side plate, left	2 25
501	" right	2 25
502	Sprocket wheel, 24 teeth, 13-16 hole	2 25
503	Stud for idlers, bolts to No. 501	75
504	" chain tightener	75
505	Round flange box, 15-16 hole	75
506	" " " 13-16 "	75
507	Shifter lever, with pins only	2 25
508	Quadrant	1 00
509	Gear on lower roll shaft, 40 cogs, 13-16 hole	1 00
510	Center pinion on 2nd shaft, 15 cogs, 15-16 hole	45
511	Upper double pinion on shifter lever, 11-16 hole	1 10
512	Lower pinion on shifter lever, 15 cogs, 11-16 hole	60

No.	Name.	Price
513	Cap for shifter lever	$0 40
514	Sprocket wheel, 15 teeth, 13-16 hole	1 00
....	Main shaft, 25 inches long	1 75
....	Second " 22 "	1 00
....	Lower roll shaft, short, 17½ inches long	1 00
....	Upper " 12¾ inches long	75
....	Spring for shifter lever	75
....	" roll	75
....	Lower roll, 11 rings	4 50
....	Upper " 10 "	3 50
....	Knives, convex, 14½ inches long	3 50
....	" concave, 12½ " "	3 50
....	Chain for driving lower roll, 27 links	1 00
....	" " upper " 37 "	1 50
....	Sprocket wheel, 6 teeth, 13-16 hole	60
....	Chain tightener, complete	1 00
....	Roller for chain tightener	40
....	Bolts for cutting plate, 4½x⅜ each, per doz.	75
....	" knives, each 1¼x5-16, per doz.	75
....	Set screws for knives, 1¼x⅜ each	05

BELLE CITY HAY CUTTERS—Continued

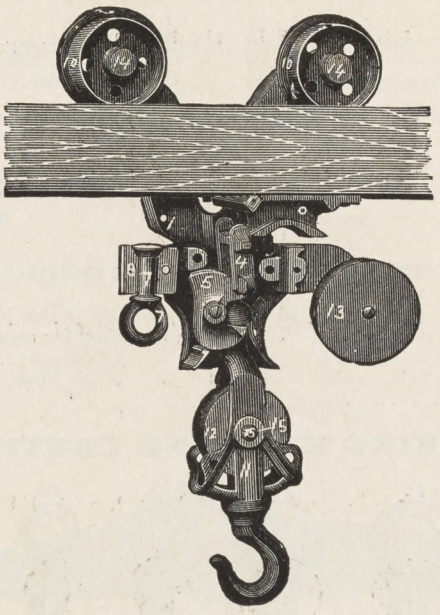
No. A 2

No.	Name.	Price.
A 2	Hood (cover over rolls), marked No. A2	$3 00
51	Center pinion, 14 cogs, 1 1-16 hole	1 50
60	Double " 1 3-16 hole, 1¼ face	2 50
60½	" " 1 3-16 " 1¾ "	2 50
61	" " 1 1-16 " 1¼ "	2 25
61¼	" " 1 1-16 " 1¾ "	2 25
66	Bevel gear, 24 cogs, 1 3-16 hole	2 00
67	" pinion, 17 cogs, 1 7-16 hole	1 75
69½	Large box on main shaft	1 75
70½	Small box on main shaft, also on second shaft	1 50
74	Crank	1 50
76	Round flange box, 15-16 hole	90
81	Ear on feed box, R., flat with bolt hole	30
81¼	" " R., " " stud	30
82	" " L., " " bolt hole	30
82¼	" " L., bent with stud	30
82½	" " L., " " bolt hole	30
85	Washer for frame	30
90	Link on side plate	30
100	Side plate, left	5 00
100½	" " " for chain feed	5 00
101	" " right	5 00
101½	" " " for chain feed	5 00
102	Shield for feed pinions	3 00
103	Quadrant	2 25
104	Cap for 102 shield	75
106	" on shifter lever	2 00
107	Hanger, L., bored, and used with gate 109.	1 50
107½	" L., used on chain feed	1 50
108	" R., bored, and used with gate 109.	1 50
108½	" R., used on chain feed	1 50
109	Gate, not used with chain feed	2 25
111	Shifter lever, with pins only, 1 1-16 hole	5 00
112	Steady box for right side plate, also for chain feed	$0 30
113	Top part of shifting lever, square at bottom end	50
113½	Top part of shifting lever, beveled at top end	50
114	Sliding box	1 10
115½	Washer for upper roll	20
116	Coupling, 2½ inches diameter outside	75
117	Feed pinion on lower shaft, 23 cogs, 1 1-16 hole	1 60
118½	Feed pinion on upper roll shaft, 23 cogs	2 25
119	Double pinion on shifter lever, 15-16 hole.	2 00
120	Gear on lower roll shaft, 38 cogs, 1 1-16	2 25
121	Pinion on shifter lever, 18 cogs, 15-16	1 50
122½	Knife wheel, 3 spokes	19 00
125	Steady boxes on side plates	30
126	Washers for lower roll	30
127	Long flange box, 15-16 hole	1 10
129	Pulley, 18 in. diameter, 4 in. face, 1 5-16	5 00
130	Lower roll, 18 rings	7 50
131	Upper roll, 17 rings	7 50
132	Cutting plate, 19 teeth	3 25
...	Main shaft	4 50
...	Upper roll shaft, square part	2 75
...	" " " round part	2 00
...	Spring for shifter lever	75
...	" " shifting shaft	75
...	" " upper roll pressure, 2 alike, each	1 00
...	Knives, each, 24 inches long	5 00
...	Set screws for knife wheel, 1½ x ⅜	5
...	Knife bolts, 1⅜ x ⅜, per doz	75
...	Bolts for cutting plate, 6½ x ⅜, per doz	75
...	Bonnet back of feed rolls	2 25

No. B 2

No.	Name.	Price.
B 2	Hood, cover over rolls	$4 50
51½	Pinion on shifting shaft, 14 cogs, 1 3-16	1 50
60	Double pinion, 1 3-16 hole, 1¼ face	2 50
60½	" " 1 3-16 " 1¾ "	2 50
61	" gear, 1 3-16 hole, 1¼ face	2 25
61½	" " 1 3-16 " 1¾ "	2 50
66	Bevel gear, 24 cogs, 1 3-16 hole	2 25
67	" pinion, 17 cogs, 1 7-16 hole	2 00
70½	Box on second shaft	1 50
81	Ear on feed box, right	30
82½	" " " left	30
85	Washer for frame	15
90	Link on side plate	75
100½	Side plate, left, with steady boxes	5 00
101½	" " right, " " "	5 00
102	Shield for feed pinions	3 00
103	Quadrant	2 25
104	Cap for 102 shield	75
106	" on shifter lever	2 00
107½	Hanger, left hand	1 50
108½	" right "	1 50
111	Shifter lever, with pins only, 1 3-16 hole	5 00
113½	Top part for shifter lever	$0 50
114½	Sliding box with set screw	1 10
115	Washer for rolls	75
116	Coupling, 2½ inch diameter outside	75
117	Feed pinion, 23 cogs, 1 3-16 hole	1 75
160	Round flange box, 1 3-16 hole	1 10
161	Pulley, 18 in. diam., 6 in. face, 1 11-16 hole	7 00
162	Lower roll, 24 rings	9 50
163	Upper " 23 "	9 50
...	Main shaft, steel	7 50
...	Upper roll shaft, square part	3 00
...	" " " round "	2 25
...	Spring for shifter lever	75
...	" " shifting shaft	75
...	" " pressure on upper roll	1 00
...	Knives, 31 inches long, each	1 00
...	Set screws, 1¾ x ⅜, per doz	75
...	Knife Bolts, 1⅜ x ⅜, per doz	75
...	Bolts for cutting plate, 7½ x ⅜	15
...	Bonnet back of feed rolls	3 00
...	Collar with set screw for main shaft	75

BOYD'S HAY CARRIER



No.	Name of Part.	Price.
0	Trip block	$0 60
1	Carrier side	1 50
2	Carrier "	1 50
3	Friction roll	05
4	Sliding catch	25
5	Grapple hook	45
7	Swivel ring	20
8	" band	75
9	Swivel band	$0 75
10	Track wheel	60
11	Fork pulley frame	1 00
12	" " sheave	60
13	Swivel sheave	60
14	Pin for track wheel	25
15	Bolt, for Nos. 13 and 14, common	10
16	Roller bushing, for 13 or 14, friction	40

When ordering sheaves, state if common or roller bushed.

PACIFIC REVERSIBLE HAY CARRIER

FOR STEEL TRACK

No.	Name of Part.	Price.
SRC	Main frame	$2 50
C	One-half crown	1 00
CC	" "	1 00
JSC	Trip	60
H120	Track wheel, 3x⅝	40
H127	Steel gudeon for wheel	25
H	Fork pulley frame	60
G	Knocker	40
H7	Clevis for fork pulley	$0 25
H110	Rope sheave in car	40
H112	" " " fork pulley	40
	Wood sheave	25
	Fork pulley, complete	75
	Bolts with bushing	15
	Springs	20

RUNDLE'S HAY CARRIERS

FOR WOOD TRACK

No.	Name of Part.	Price.
153	Pin for traveler wheel	$0 20
172	Hook to catch on stop	1 25
174	Rope shield	35
175	Carrier side	1 85
176	Carrier "	1 85
177	Piece to hold fork pulley	1 25
187	Pulley pin	$0 15
188	Rope swivel	40
190	Fork pulley frame	50
200	Stop	35
	Fork pulley, complete	75
	Springs	20

FOR IRON TRACK

No.	Name of Part.	Price.
173	Piece that holds for fork pulley	$1 25
178	Shield over spring	40
179	Hook to catch on stop	1 25
184	Side of frame	1 85
185	Side of frame	1 85
188	Rope swivel	$0 40
199	Clamp on stop	15
200	Stop	35
	Fork pulley, complete	75
	Springs	20

CHAPMAN RAILWAY PITCHING APPARATUS

Head block	$0 75
Pulleys of (any of the four sorts)	50
Screw hooks, ¾ inch	25
Post pulley	$2 50
Grapple with holder	1 25
Grapple holder	20

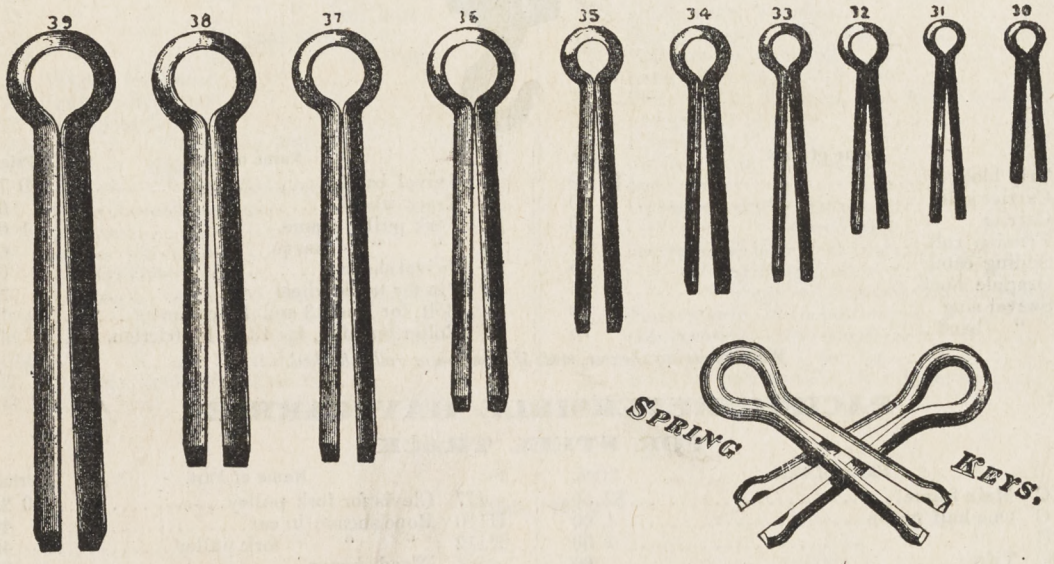
PARTS OF FORK

Pattern No.		
	Tine, outside	$1 75
	" inside (or center)	1 50
1	Lever	1 75
2	Cross head, with pulley	$1 50
3	" no "	1 50

PARTS OF CONVEYOR—FOR WOODEN TRACK

12	Car frame	$4 50
13	Pawl	1 25
14	Crotch	75
15	Track wheel	75
16	Car pulley	75
18	Car pulley pin	$0 15
19	Ring for rope	25
	Track pin	25
	Track hook, large	50
	" small	35

SPRING KEYS AND COTTERS



SPRING COTTERS

No.	Size.	Length.	Wire Gauge.	Per 1000.
30	3–32	¾ inch.	13	$3 50
31	3–32	1 "	13	4 00
32	⅛	1 "	11	4 50
33	⅛	1¼ "	11	5 00
.....	⅛	1½ "	11	5 50
.....	3–16	1 "	7	6 00
34	3–16	1¼ "	7	7 00
35	3–16	1½ "	7	7 75
.....	¼	1¼ "	4	11 00
.....	¼	1½ "	4	12 00
36	¼	1¾ "	4	13 25
37	¼	2 "	4	14 50
38	5–16	2 "	1	19 50
39	5–16	2½ "	1	22 50
.....	⅜	2 "	.....	22 25
.....	⅜	2¼ "	.....	24 00
.....	⅜	2½ "	.....	25 75

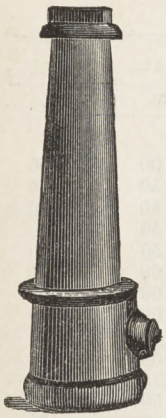
In packages of 100, assorted, $2.00.

SPRING KEYS

No.							Per 1000
0	are 12	wire gauge	for 8-32	in.	hole in	⅜ bolt	$6 00
00	" 12	"	8-32	"	¼	"	5 50
000	" 12	"	7-32	"	7/32	"	5 00
1	" 11	"	8-32	"	⅜	"	6 50
1½	" 11	"	8-32	"	7/16	"	6 75
2	" 10	"	9-32	"	⅜	"	7 00
3	" 10	"	9-32	"	7/16	"	7 50
4	" 10	"	9-32	"	½	"	8 00

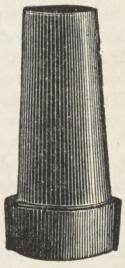
In packages of 100, assorted, $2.00.

BAIN WAGONS



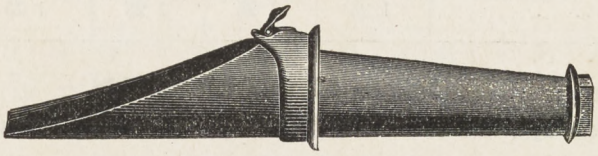
Iron Thimble Skein

IRON THIMBLE SKEINS



Pipe Box

	With Boxes.	Boxes Only.	Nuts Only.
2⅜x7½ inch	per set, $4 50	$0 50	$0 50
2½x7½ "	" 4 50	50	50
2¾x8 "	" 6 00	50	50
2¾x8½ "	" 6 50	80	50
3 x9 "	" 7 00	90	60
3¼x10 "	" 8 00	90	60
3½x10 "	" 8 00	90	60
3½x11 "	" 8 25	95	65
3¾x11 "	" 9 00	95	70
3½x12 "	" 9 50	95	70
3¾x12 "	" 9 50	1 00	75
4 x12 "	" 10 50	1 00	75



Steel Thimble Skein

BAIN STEEL THIMBLE SKEINS, COMPLETE WITH PIPE BOXES

Inch	2¾x8½	3x9	3¼x10	3½x11	3¾x12	4x12
Per set	$11 00	$12 00	$13 00	$13 25	$16 00	$18 00

BAIN IRON OR STEEL AXLES, CONCORD OR SOLID COLLAR, WELDED AND SET

Size of axle	1⅜ in.	1½ in.	1⅝ in.	1¾ in.	1⅞ in.	2 in.	2¼ in.	2½ in.
Price of axle	$4 50	$5 00	$5 75	$6 50	$8 25	$12 50	$16 50	$22 00
Price of boxes, each	50	55	60	75	1 25	1 50	1 65	2 00

WOOD AXLES FOR BAIN IRON AND STEEL THIMBLE SKEIN WAGONS

Inch	2⅜	2½	2¾	3	3¼	3½	3¾	4	4¼
Front or hind, each	$2 75	$2 75	$3 00	$3 00	$3 50	$3 50	$4 00	$4 50	$4 50

When ordering Axles, give size, and state if front or hind.

BAIN WAGON WHEELS

Farm.												
Concord axle	1½ & 1⅝	1¾	1⅞	.....	2	2¼	2½	.....	.....	.....	.....	.....
Steel or iron skein	2¾ & 3	3¼	.....	3½	3¾	4	4¼	.....	.....	.....	.....	.....
Width of tire, inches	2	2¼	2¼	2½	2½	3	3	.....	.....	.....	.....	.....
Front wheel	$11 50	14 00	15 50	15 00	18 50	22 50	25 00	.....	.....	.....	.....	.....
Hind wheel	$14 00	16 50	19 00	18 00	22 50	26 50	30 00	.....	.....	.....	.....	.....
Header.												
Concord axle	1¾	1¾	1¾	1⅞	.....	1⅞	1⅞	2	2	2	2¼	2¼
Steel or iron skein	3¼	3¼	3¼	.....	3½	3½	3½	.....	.....	.....	.....	.....
Width of tire, inches	2¼	3	4	2½	2½	3	4	2½	3	4	3	4
Front wheel	$10 50	11 50	13 00	11 50	11 00	12 50	14 00	12 00	13 50	16 50	18 00	20 00
Hind wheel	$11 50	12 50	14 00	12 50	12 00	13 50	14 50	13 00	15 00	18 00	19 00	21 50

In ordering Skeins or Nuts, always state whether right or left hand is wanted.

In ordering Nuts for Iron Axles, always state whether for solid collar or Concord Axles.

BAIN WAGON—Continued

Thimble Skein	2¾ in.	3 in.	3¼ in.	3½ in.	3¾ or 4 in.	4¼ in.
Concord Axle	1½ in.	1⅝ in.	1¾ in.	2 in.	2¼ in.	2½ in.
NAME OF PART.						
Single California brake bars	$3 00	$4 00	$4 00	$ 4 00	$ 5 00	$ 5 50
Double Oregon " "	4 50	5 50	5 50	5 50	6 50	7 00
Brake blocks, per pair	75	1 25	1 25	1 25	1 50	2 00
Connecting rod from roller brake to bar	1 25	1 25	1 25	1 25	1 50	2 00
Tongue, sticks only	3 00	3 00	3 00	3 00	3 50	4 00
Tongue, with hounds ironed	8 00	8 00	8 00	10 00	10 00	10 00
Tongue, with chains for stiff poles	5 00	5 00	5 50	5 50	6 00	6 00
Reaches, wood only	2 00	2 00	2 00	3 00	3 00	3 00
Reaches, ironed	3 00	3 00	3 00	4 00	4 00	4 00
Bolster, complete, front	4 00	4 00	4 50	5 00	5 50	5 50
King Bolts	40	40	50	50	75	1 00
Seat, with springs	7 50	7 50	7 50	7 50	7 50	7 50
Wrenches	40	40	40	50	50	50
Reach pins	20	20	20	20	20	20
Sand boards	1 25	1 25	1 25	1 75	1 75	1 75

BENICIA IRON-WAGON

Hub-boxes for Iron-Wagon Wheels.

For 1⅝ inch Axle	$2 00
" 1¾ " "	2 25
" 1⅞ " "	2 40
" 2 " "	2 50
" 2⅛ " "	3 00
" 2¼ " "	3 50
" 2⅜ " "	4 00
" 2¾ " "	4 50
" 3 " "	5 00

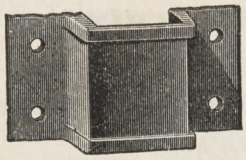
Hub-box Flanges for Iron-Wagon Wheels.

For 1⅝ inch Axle	$1 50
" 1¾ " "	1 75
" 1⅞ " "	1 90
" 2 " "	2 00
" 2⅛ " "	2 25
" 2¼ " "	2 50
" 2⅜ " "	3 00
" 2¾ " "	3 50
" 3 " "	4 00

WAGON STAKE IRONS

TRUCK STAKE IRON

Malleable



No. 1517A. For 2x3 inch Stake

4½ inch deep, ½ inch holes $0 75

CAST IRON

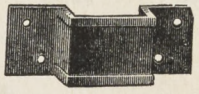
To fit 2¼x1½ stake, each	$0 35
" 2½x1½ " "	35
" 2¼x1½ " "	35
" 2¾x1⅝ " "	35

WROUGHT IRON

For Bain Wagon $0 25

EXPRESS STAKE IRON

Malleable



No. 1516A. For 1½x2½ inch Stake

2½ inch deep, ⅜ inch holes $0 30

No. 1516B. For 1½x2¾ inch Stake

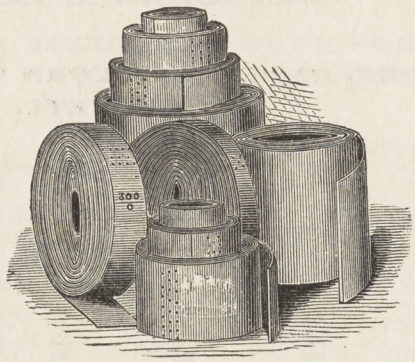
2¾ inch deep, ⅜ inch holes $0 40

HOWARD BOLSTER SPRINGS

Extra coil springs, for 1,500 lb. capacity	50
" " " " 2,000 " "	50
" " " " 2,500 " "	60
" " " " 3,000 " "	60
" " " " 4,000 " "	60
" " " " 5,000 " "	75
" " " " 6,000 " "	75
" " " " 10,000 " "	1 00

LEATHER BELTING

FOR HEADERS, THRESHERS, MILLS, ETC.



When ordering, state quality desired, Standard or Extra.

Width	1	1¼	1½	1¾	2	2¼	2½	3	3½	4	4½	5	5½	6	7	8	9	10	12
Price per foot	.10	.13	.17	.20	.23	.26	.30	.36	.43	.50	.56	.63	.70	.76	.90	1.02	1.15	1.29	1.55

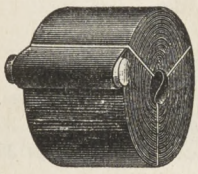
RUBBER BELTING

EXTRA QUALITY

Size	1 in.	1½	2	2½	3	3½	4	4½	5	5½	6	7	8	9	10	12
2-Ply, per ft.	.02¾	.04¼	.05¾	.07	.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 " " "	.....	.....	.06½	.08½	.10	.11½	.12¾	.15	.16¼	.18	.19¼	.22¾	.26½	.30	.34¼	.41
4 " " "	.....	.....	.....	.....	.11¾	.14	.16	.18	.19¾	.....	.23½	.27¾	.32	.36	.40¾	.49½

ENDLESS RUBBER BELTS

MADE SPECIALLY FOR THRESHERS



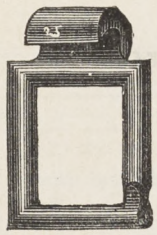
IMPERIAL STITCHED ENDLESS BELT

160 feet, 7 inch, 4-ply ..... $ 90 00
160 " 8 " " 103 00

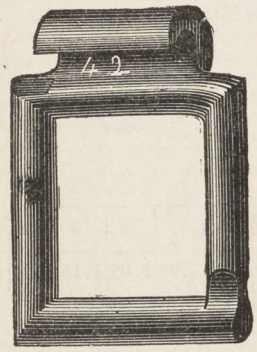
GANDY ENDLESS THRESHER BELTS

Stitched Canvas

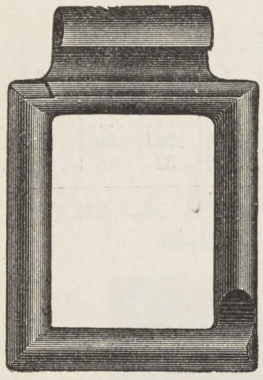
Width and Ply.	Length 120 Ft.	140 Ft.	160 Ft.	180 Ft.
6 inch, 4 ply	$53 00	$62 00	$71 00	.....
7 " 4 "	62 00	72 00	82 00	.....
8 " 4 "	.....	.....	94 00	$106 00
6 " 6 "	.....	82 00	94 00	
7 " 6 "	.....	96 00	110 00	124 00
8 " 6 "	.....	.....	125 00	142 00



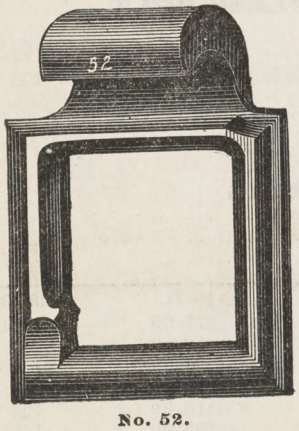
No. 25.



No. 42.



No. 44.



No. 52.

DETACHABLE LINK BELTING

USED ON SEEDERS, CORN SHELLERS, FEEDERS, ETC.

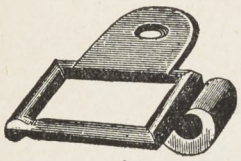
No.	Price per Foot.		Links, Per Foot.	Working Strain.
	All Plain Links.	All Attachment Links.		
25	$0 10	$0 23	13.3	75 lbs.
32	10	21	10.4	150 "
33	9	21	8.6	200 "
34	11	21	8.6	225 "
35	11	19	7.4	250 "
42	12	21	8.8	300 "
44	12	21	8.0	400 "
45	12	21	7.4	350 "
47	14	.....	7.4	400 "
48	14	.....	6.0	400 "
51	14	.....	10.4	375 "
52	16	22	8.0	500 "
55	16	22	7.4	450 "
57	16	26	5 2	600 "
62	22	27	7.3	650 "
66	22	28	6.0	700 "
67	22	28	5.2	700 "
76½	25	.....	5.2	800 "
77	25	31	5.2	800 "
78	30	40	4.6	1000 "
85	38	50	3.0	1300 "
88	35	50	4.6	1200 "
95	45	58	3.0	1600 "
103	58	62	4.0	1800 "
114	73	88	3.66	2000 "
115	85	.....	3.6	2200 "
117	90	.....	3.6	2250 "

FEEDER CHAIN

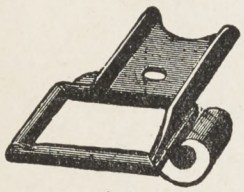
	Per Foot.
Wrought chain for Jackson feeders	$0 35
" " harvester feeders	35

When ordering link belting give number on old link. If number cannot be ascertained mail us a sample link.

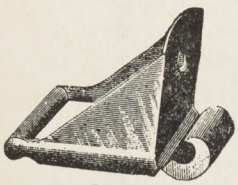
NOTE.—There are several cases where different numbers of link belting will run on the same sprocket wheels, as in the case of Nos. 45 and 55, or 85 and 95. See list of sprocket wheels.



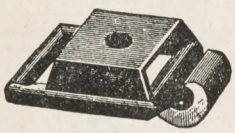
A 1



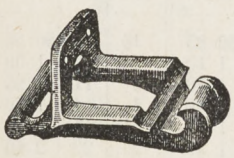
A 3



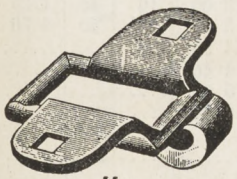
C 1



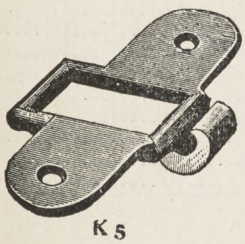
E 1



F 2



K 1



K 5

LIST OF ATTACHMENTS

AS REGULARLY MADE FOR MALLEABLE LINK BELTING

For prices of regular attachments, see page 92.

25		A^3	C^1	D^3	E^1		G^1	H^2	K^1	K^5	K^6M^1		S^1	Coupler
32	A^1	A^3	C^1	D^3	E^1		G^1		K^1		K^6M^1			Coupler
33	A^1			D^3	E^1				K^1	K^3K^5	K^6	M^1	S^1	Coupler
34	A^1				E^1				K^1					Coupler
35	A^1	A^2	C^1		E^1				K^1				S^1	Coupler
42	A^1		C^1							K^3	K^5	K^6	S^1	Coupler
44									K^1					
45	A^1	A^3	C^1	D^3	D^5E^1		G^1	H^2	K^1	K^3	K^5	M^1	S^1	Coupler
52	A^1	A^3		D^3	E^1		G^1				K^5			Coupler
55	A^1	A^2	C^1		E^1	F^2			K^1			M^1	S^1	Coupler
57	A^1	A^3			D^5E^1	F^2		H^2	K^1				S^2	Coupler
62	A^1	A^3	C^1		D^5				K^1	K^5				Coupler
66			C^1											Coupler
67	A^1				D^5E^1	FF F^2		H^1	K^1				S^2	Coupler
77					E^1	F^2		G^6H^1	K^1				R^3 S^2	Coupler
78	A^3	A^{11}			D^5E^1	FF F^2F^4		$G^6H^2H^6$	K^1			M^3	R^1 S^2	Coupler
88		A^3				FF F^2		G^6H^1	K^1				R^1 S^2	Coupler
95						F^2		H^1	K^2					Coupler
103	A^{11}				E^1	F^2		G^6H^2	K^1			M^3	R^1	Coupler
114	A^{11}													Coupler

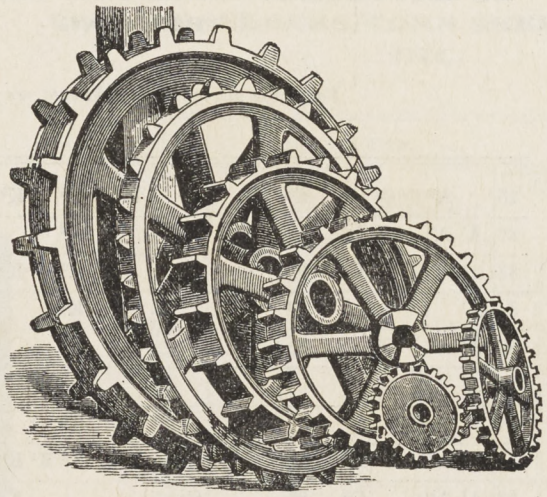
For prices, see page 92.

If attachment wanted is not shown in cuts give proper number or send sample link.

COUPLING LINKS.

SPROCKET WHEELS

BORED AND SET SCREWED OR KEY SEATED



Price List of Sprocket Wheels

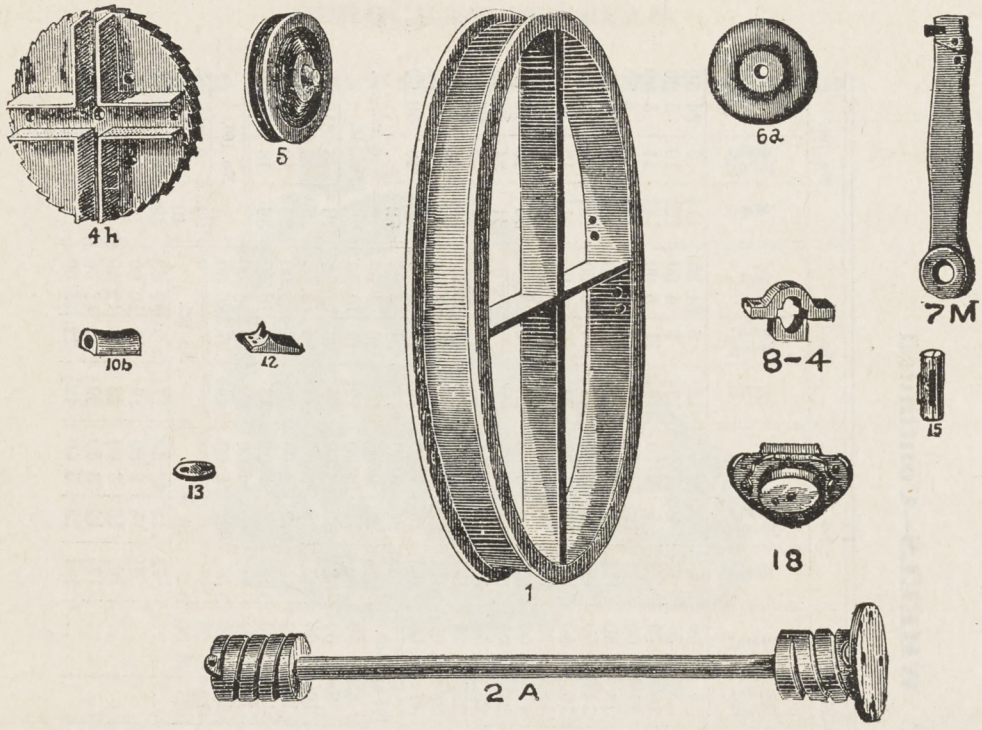
No. 25			No. 32			Nos. 33 & 34			Nos. 35, 45 & 55			No. 42			No. .51		
Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.
2	7	$0 55	2	5	$0 60	3	7	$0 70	2½	5	$0 80	3	7	$0 85	1¾	5	$0 65
2½	8	55	2½	6	65	4	9	90	3	6	85	3¾	9	1 10	2½	7	1 00
2¾	9	60	2¾	7	70	4½	10	1 00	3¾	7	95	4¾	11	1 40	4	11	1 25
3¼	11	70	3	8	75	5½	12	1 20	4½	8	1 10	5¾	13	1 60	5	14	1 50
3½	12	75	3½	9	80	6½	15	1 35	4¾	9	1 20	6¼	14	1 70	6¼	17	1 75
3¾	13	80	3¾	10	85	7	16	1 50	4¼	10	1 25	8	18	1 90	8	22	2 40
4	14	90	4¼	11	1 00	8½	19	1 65	5¾	11	1 30	8¼	19	2 00	10	27	2 80
4¼	15	95	4¾	13	1 10	9¾	22	2 00	6	12	1 50	9½	22	2 30	12	33	3 30
4¾	16	1 05	6	16	1 35	12	27	2 50	7	13	1 60	10½	24	2 50	14	39	3 80
5	17	1 15	8¼	22	1 65	14¼	32	3 00	7½	14	1 75	11¾	27	3 00	16	45	4 25
6	21	1 25	8½	23	1 85	15¼	34	3 25	8½	16	2 00	14	32	3 60	18¼	50	4 70
6½	22	1 30	9	24	2 00	16	36	3 75	8¾	17	2 10	15½	36	3 90	.....	....	.....
7½	26	1 40	12	33	2 50	18¼	41	4 25	9½	18	2 20	18	41	4 40	.....	....	.....
8	28	1 50	14	38	3 00	24	54	5 75	10	19	2 30	20	46	5 00	.....	....	.....
10	35	1 75	16	44	4 25	.....	....	.....	10½	20	2 50	24	55	6 00	.....	....	.....
10¼	36	1 85	16½	45	4 35	.....	...	.....	11½	22	2 70	.....	....	.....	.....	....	.....
12	42	2 15	.....	....	.....	.....	....	.....	12	23	2 90	.....	....	.....	.....	....	.....
13¾	48	2 40	.....	....	.....	.....	....	.....	12½	24	3 00	.....	....	.....	.....	....	.....
15	52	2 60	.....	....	.....	.....	...	.....	13	25	3 20	.....	....	.....	.....	....	.....
16	56	2 90	.....	....	.....	.....	....	.....	14⅓	27	3 50	.....	....	.....	.....	....	.....
17¼	60	3 15	.....	....	.....	.....	....	.....	16	31	3 75	.....	....	.....	.....	....	.....
18¼	64	3 25	.....	....	.....	.....	....	.....	18¼	35	4 25	.....	....	.....	.....	....	.....
24	84	4 50	.....	....	.....	.....	....	.....	20¼	39	4 75	.....	....	.....	.....	....	.....
....	....	.....	.....	....	.....	.....	....	.....	21¾	42	5 30	.....	....	.....	.....	....	.....
....	....	.....	.....	....	.....	.....	....	.....	23½	45	5 75	.....	....	.....	.....	....	.....
....	....	.....	.....	....	.....	.....	..	.....	28	54	7 25	.....	....	.....	.....	....	.....
....	....	.....	.....	....	.....	.....	....	.....	30	58	7 50	.....	....	.....	.....	....	.....
....	....	.....	.....	....	.....	.....	....	.....	36	69	9 00	.....	....	.....	.....	....	.....
....	....	.....	.....	....	.....	.....	....	.....	42	82	10 50	.....	....	.....	.....	....	.....

Continued on page 95.

PRICE LIST OF SPROCKET WHEELS—Continued

No. 52.			Nos. 57, 67, 77.			No. 62.			Nos. 75, 78 and 88.			Nos. 85 and 95.			No. 103.			No. 108.			No. 124.		
Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.	Diam.	No. of Teeth.	Price.
3½	7	$1 10	4½	5	$1 10	4¼	8	$1 75	5	6	$1 50	7¾	6	$2 50	7	7	$2 10	12	8	$4 25	11½	9	$4 80
4	8	1 15	4¾	6	1 20	4½	9	1 90	6	7	1 60	10	8	3 30	7¾	8	2 50	13½	9	4 50	12½	10	5 20
4¼	9	1 20	5½	7	1 50	5¾	11	2 00	6½	8	1 80	12½	10	3 70	8¾	9	2 70	16½	11	5 00	14½	11	5 80
5	10	1 25	6	8	1 70	7¼	14	2 25	7½	9	2 10	13½	11	4 00	9¾	10	3 20	18	12	6 00	15¼	12	6 50
5½	12	1 40	6¾	9	2 00	8	15	2 40	8¼	10	2 40	16	13	4 80	11¾	12	3 70	20	14	7 00	16½	13	7 00
6	13	1 60	7½	10	2 25	8¼	16	2 50	9	11	2 60	17½	14	5 50	12½	13	3 80	24	16	9 00	18¾	15	8 75
6½	14	1 70	8	11	2 35	9¼	18	2 70	10	12	2 80	20	16	6 50	13½	14	4 25	30	20	12 00	21½	17	11 00
7	15	1 90	8¾	12	2 60	10½	20	3 00	10¾	13	3 10	22½	18	7 75	14½	15	4 50	36	24	15 00	24	19	12 50
7½	16	2 10	9½	13	2 70	11½	22	3 30	11½	14	3 40	24	19	8 00	15½	16	4 80	48	32	26 00	26	20	14 00
8	17	2 25	11	15	3 30	12	23	3 50	12½	15	3 60	30	24	12 00	16½	17	5 25				31	24	16 50
9	19	2 50	12½	17	3 50	14¾	28	4 30	14¼	17	4 20	33	26	13 50	18	19	5 75	No. 114.			36	28	20 00
10	21	2 75	14	19	4 00	16	30	4 90	16	19	4 70	34	27	14 25	19½	20	6 00	8	8	$3 50	44	34	25 00
12½	26	3 20	14¾	20	4 25	18	34	5 30	16½	20	5 25	35½	28	15 00	21½	22	7 00	10	10	4 00	48	38	32 00
13	27	3 35	15½	21	4 50	20	38	5 60	18½	22	5 50	60	47	38 00	22⅝	23	7 50	13¼	13	6 00	62	48	50 00
14½	30	3 70	16½	22	4 80	23	43	6 50	20	24	6 00				23½	24	8 00	14½	14	6 25	72	....	.....
16½	34	4 00	17	23	5 00	24	45	6 90	21	25	6 20	Nos. 105 and 107.			25½	26	9 00	16½	16	7 00			
18	38	4 50	18¼	25	5 30	26	49	7 60	22½	27	6 50	11¾	6	$4 50	30	31	12 00	19½	19	10 50	No. 146.		
20	42	5 00	19¾	27	5 50	30½	58	9 00	24	29	7 50	15¾	8	5 00	32	33	13 00	24	23	11 75	16	8	$12 00
22	46	5 50	20	28	5 60				24¾	30	7 75	19½	10	7 00	37	38	16 00	24½	24	12 00	18	9	13 00
23¾	49	6 00	22	30	6 25	Nos. 83 and 93.			28½	34	8 75	23	12	9 00	41	42	18 00	31	30	15 00	20	10	14 00
24½	51	6 40	24¼	33	7 00	12	18	$3 75	29½	35	9 00	25½	13	10 00	45	46	21 00	33	32	16 50	36	18	36 00
26½	55	7 00	26	36	7 60	16	26	4 90	30½	37	9 50	27½	14	12 20	48	49	24 00	36	35	18 50			
30½	64	8 00	28	38	8 25	20	32	7 00	32½	39	10 70	31	16	13 80	79	81	75 00	48½	47	26 00	No. 160.		
.....	....	.....	30	41	9 00	24	38	7 80	33½	40	11 00	36¾	19	15 00							30	9	$36 00
.....	....	.....	32½	44	9 75	28½	44	9 00	37	44	11 50	48½	25	26 00	No. 66.			No. 122.			40	12	55 00
.....	....	.....	36	49	10 75	30	48	10 60	38	46	13 00	.....	....	.....	7½	12	$2 30	17½	9	$9 00	48	15	65 00
.....	....	.....	38½	52	12 00	34	54	13 00	42	49	14 00	.....	....	.....	8½	13	2 50	19	10	10 00	.....	....	.....
.....	....	.....	41½	56	13 50	41	64	19 00	48	58	21 00	.....	....	.....	10¼	16	3 00	23	12	12 50	.....	....	.....
.....	....	.....	44¼	60	17 00	.....	....	.....	64	77	35 00	.....	....	.....	12½	19	3 50	29½	15	17 00	.....	....	.....
.....	....	.....	47½	64	20 00	.....	....	.....	.....	....	.....	.....	.	.....	16¼	25	5 00	42½	22	26 00	.....	....	.....

BENICIA HAY PRESS



	Description.	Price.
1	Driving-wheel, with bent rims, 5 ft. diam.	$20 00
2A	New style shaft, chain worms cast on	40 00
4H	Wheel hub. The ratchet-teeth are on the side, not on edge of wheel, as shown in cut	7 00
5	Chain-pulley, 12 in. in diam., 1 in. chain	7 00
6A	Arm-hub washer, 1 in. thick	75
8-*4*	Main shaft box	2 00
8 *5*	" " "	2 25

	Description.	Price.
8-*6*	Main shaft box	$ 2 50
10B	Stirrup-holder for top-door	1 25
12	Top door cap	75
13	Double washer to which the stagings are hooked	40
15	Double nut	1 50
18	Arm-hub, 5 in. hub	7 50
20	Dog	1 25

PARTS NOT ILLUSTRATED

The small chains are made of $\frac{5}{8}$ round iron, and are 5 ft. 6 in. long, each	$ 4 00
The large chains are made of 1 in. round iron, and are 7 ft. 6 in. long, without the clevises, each	10 00
Sheave-pins, each	3 00
Follower, complete	$21 50
1 Set-bar door-fastenings, to replace roller fastenings, complete	21 50
1 End-plank	10 00
Wrought-arms, each	10 00

VICTOR HAY PRESS

Letter and Fig.	Name.	Price.
4	Platform washer	$ 1 00
7	Single tree cap	1 00
10	Side brace plate	1 00
14	Power shaft plate	4 00
18½	Power head casting	25 00
20½	Double knuckle arm	15 00
21	Pitman	18 00
23	Round sweep plate	1 00
26	Retainer hooks	1 25
28	Sweep hinge plate	1 50
30	Plunger corner plate	2 00
31	Folder frame plate	2 50
32	Folder casting	2 50

Letter and Fig.	Name.	Price.
E	Plunger Pitman plate	$ 5 00
F	End plate	1 00
I	End plate	1 00
O	Axle stirrup, 1⅜ hole	3 00
R	Sleeve washer	1 00
U	Fifth wheel	1 00
V	Tongue shoe	1 00
W	Double washer	1 00
Z	Axle brace guard	1 00
XII	Plunger brace casting	1 00
	Three link chain, best	7 50
	Carrying wheel	10 00
	Plunger spring	2 00

ECONOMY HAY PRESS

	Letter on Casting.		Price.
Improved power-casting, for $\frac{7}{8}$ chain	each,	A	$13 50
Power-bracket	"	B	5 75
Spring-box	"	C	50
Door-lock box	"	D	70
End-plates	"	F & I	45
Door-hooks	"	G	90
Power-plate	"	H	2 40
Wheel	"	J	1 25
Follower-plate	"	K	4 25
Small knuckle	"	L	1 75

	Letter on Casting.		Price.
Large knuckle, common iron (state size of hole)	each,	M	$ 2 50
Fifth-wheel	"	N	65
Axle-stirrup	"	O	2 50
Center knuckle (state size of hole)	"	P	3 00
Door-strap	"	T	50
Tongue-shoe	"	U	60
Double washer	"	W	75
Heavy chain, complete, of $\frac{7}{8}$ iron	"	....	13 50
Springs	"	....	75

CALIFORNIA WESTERN CHIEF FULL CIRCLE PRESS

CAST IRON PARTS

No.	Price each.	DESCRIPTION.	Press No.	No. on each Machine.
20	$ 1 25	Tension ratchet plate, lower	238 to 385	1
21	2 50	" " " upper	238 " 385	1
55	2 00	" "	238 " 385	1
56	75	Pawl for tension ratchet	238 " 385	1
62	30 00	Power (3½ inch hole)	253 and since	1
63	9 00	Ratchet with notch (3⅜ inch hole)	253 "	1
64	9 00	Power plate, upper (3½ inch hole)	253 "	1
65	16 00	Sweep cstg. (3⅛ inch. hole)	253 "	1
66	27 50	Crank arm (1 11-16 inch. hole at large end)	253 to 385	1
66	27 50	" " (1¾ pin in large end)	385 and since	1
67	8 00	Sill connecting plate	238 "	2
68	1 00	Retainer box, lower	238 to 318	4
69	1 00	" " upper	238 " 318	4
70	3 25	Pawl with steel face, for ratchet	238 " 385	1
72	2 50	Bed plate for trip roller, rear	238 " 385	1
73	2 50	Bed plate for trip roller, front	238 " 385	1
74	1 50	Lead pole bracket	238 and since	1
75	1 00	Trip roller	238 "	2
78	3 25	Roller bracket under pitman, attached to Sill	238 "	1
79	2 75	Beater roller	238 "	2
79	2 75	Roller for bracket No 78	238 "	1
80	9 00	Power plate, lower; large hole, 3 in.; small hole, 1 ¾ in.	238 to 385	1
80	9 00	" " " " " 3 in.; 1¾ pin in other end	385 and since	1
81	2 00	Bracket for brace rod, on sweep	238 "	1
82	3 50	Folder, cstg. only	238 to 385	1
83	2 50	Axle boxing for rear axle	238 and since	1
84	1 00	Large cast wrench	238 "	1
85	2 50	Pitman cstg. to connect long wood to gas pipe pitman	238 to 385	2
86	2 25	Flange wheel on end of long wood pitman	272 and since	2
87	3 25	Roller in bracket No. 88	272 "	1
88	2 50	Roller bracket attached to long wood pitman	272 "	1
89	2 00	Eye bolt bracket on side of power	238 "	1
91	75	Retainer box	318 "	4
92	1 25	Retainer	318 "	4
93	1 25	Retainer arch	318 "	4
94	9 00	Straddle brace for power end	316 "	1
97	9 00	Straddle brace for bale chamber, 18x22	316 "	1
117	4 50	Bed plate for trip roller, roller movement	385 "	2
118	6 50	Pawl for ratchet, roller movement	385 "	1
119	12 50	Ratchet with notch for roller	385 "	1
120	10 00	Folder, casting only	385 "	1
121	16 00	Sweep casting for roller movement	385 "	1
122	9 00	Pitman casting, to connect long wood pitman to gas pipe pitman	385 "	1
DX	2 75	Roller to work between pitmans	238 "	1
F	1 00	Sweep doubletree cstg.	238 "	1
M	90	Doubletree cstg	238 "	1
.....	20	Cast washer, 1 inch hole	238 "	2

MALLEABLE CASTINGS

No.	Price each.	DESCRIPTION.	Press No.	No. on each Machine.
8	$0 75	Pitman eye	238 to 385	4
9	1 00	Tension lever eye strap	238 " 385	2
13	75	" " reverse grip	238 " 385	1

CALIFORNIA WESTERN CHIEF FULL CIRCLE PRESS
STEEL PARTS—NOT NUMBERED

Price, each.	DESCRIPTION.	Press No.	No. on each Machine.
$17 50	Steel sides, ¼x29x68 in., Plates only	238 and since	2
5 00	Uppper lining for bale chamber	238 "	1
7 50	Lower lining for bale chamber	238 "	1
10 00	Hopper, complete	238 "	1
9 00	Wheels, front	238 "	2
9 00	Wheels, rear	238 "	2
1 25	Plate on top of plunger	238 "	1
5 00	Plates on sides of bale chamber sills, ¼x5½ in. x 5⅓ ft.	238 "	4
4 00	Angle iron braces for side of bale chamber	238 "	4
3 25	Plate under bale chamber, tension bolts pass through	238 "	1
2 50	Screw for tension ratchet	238 "	1
7 50	Straddle brace for bale chamber	238 to 318	1
7 50	Straddle brace for power chamber	238 " 318	1
1 00	Shaft for beater rollers	238 and since	1
2 50	Shaft to connect long wood pitman to gas pipe pitman	238 "	1
2 50	Shaft to connect gas pipe pitman to crank arms	238 "	1
15 00	Main shaft to pass through power, 3½ in.	238 "	1
1 25	Keys for main shaft to power	238 "	2
1 75	Pin in cstg. No. 70	238 "	1
1 00	Pin in cstg. No. 72	238 "	2
7 50	Main rod to connect power to bale chamber, with nuts	238 "	1
5 50	Rear axle	238 "	1
90	King bolt	238 "	1
40	Face for power friction brake	238 "	1
40	Steel face for cstg. No. 70	238 "	1
5 00	Roller for pawl No. 118	385 "	1
2 50	Pin for pawl with roller	385 "	1

SPRINGS

Price, each.	DESCRIPTION.	Press No.	No. on each Machine.
$4 00	Plunger spring, 1½x48in	238 and since	1
50	Folder springs, coil wire	238 to 310	2
2 50	Folder springs, flat steel	310 " 385	1
50	Retainer springs, coil wire	318 and since	4
50	Trip spring for cstg. No. 70, coil wire	238 "	1
1 00	Friction springs for power, flat steel	238 "	1
5 00	Tension spring, flat steel	385 "	1

WROUGHT IRON PARTS—NOT NUMBERED

Price, each.	DESCRIPTION.	Press No.	No. on each Machine.
$9 00	Gas pipe pitman, complete	238 and since	1
3 50	Pipes for gas pipe pitman, bored	238 "	2
2 50	Sweep brace rod	238 "	1
1 75	Eye bolts connecting tongue to front axle	238 "	2
90	Hooks on top of bale chamber and power for raising and lowering press	238 "	4
40	Side arms for folder	238 "	2
1 75	Eye bolt from power straddle brace to casting 89	238 "	1
1 25	Large bolts for cstgs. No. 67	238 "	2
50	Track in power chamber for roller No. 87	238 "	1
75	Axle brace	228 "	2
75	Folder spring bolt, 3½ in. long	310 "	2
40	Hook bolt for folder spring	310 "	2
75	Retainer	238 to 318	2
2 50	Tension bolts, 48 in. long	238 and since	2
1 25	Gas pipe on tension bolts	238 "	2
40	Reverse rods for tension lever	238 "	2
50	Track for rollers No. 86	238 "	4
20	Counter sunk bolts for cstgs. Nos. 64 and 80	238 "	12
1 75	Brace from king bolt to bottom of power chamber	238 "	1
20	Retainer bolts to pass through cstgs. Nos. 88 and 89	238 "	4
60	Angle iron on bottom of plunger	238 "	1
75	Angle iron bearings for beater rollers	238 "	2

CALIFORNIA WESTERN CHIEF FULL CIRCLE PRESS

Continued

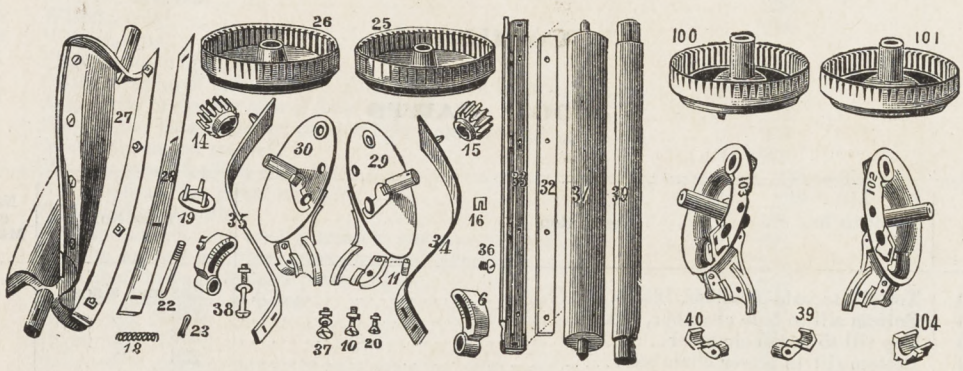
WOOD PARTS

Price Each.	Description.	Press No.	No. on each Machine.
$15 00	Top sill to bale chamber, 18x22	238 and since.	1
20 00	Bottom sill to bale chamber, 18x22	238 "	1
15 00	Top sill to power chamber	238 "	1
20 00	Bottom sill to power chamber	238 "	1
3 50	Side to power chamber	238 "	1
7 50	Front end to power chamber	238 "	1
2 75	Bump block for power	238 "	1
1 75	Bump block for crank arm	238 "	2
4 00	Front axle, wood only roughed out and bored for skeins	238 "	1
90	Track for rollers No. 68, wood only	238 "	4
90	Upright pieces for right hand of power chamber, front and rear	238 "	2
2 75	Upright pieces for left hand of power chamber	238 "	1
2 75	Brace plank under power chamber	238 "	1
75	Wood block between gas pipe pitman	238 "	1
1 75	Plunger stem, wood only	238 "	1
12 50	Plunger, complete, ironed, with rollers	238 "	1
2 75	Bump block, ironed, for front of chamber bale	238 "	1
1 75	Tool box	238 "	1
1 25	Short sill under tool box	238 "	1
2 75	Wind board for feed hopper	238 "	1
75	Wood pieces for hopper sides	238 "	4
40	Wood pieces for hopper ends	238 "	1
1 50	Wind board for feed table	238 "	1
8 00	Feed table	238 "	1
75	Wood pieces on side of feed chamber opening	238 "	2
2 75	Axle braces, wood only	238 "	2
1 75	Feeder's table on top of bale chamber	238 "	1
1 75	Tension block, upper, wood only	238 "	1
1 75	Tension block, lower, wood only	238 "	1
90	Tension lever, wood only	238 "	1
7 50	Tongue, ironed complete	238 "	1
5 00	Tongue, wood only	238 "	1
8 50	Sweep, ironed complete	238 "	1
5 00	Sweep, wood only	238 "	1
4 50	Doubletrees, ironed complete	238 "	1
3 50	Doubletrees, wood only	238 "	1
2 75	Head block	238 "	3
75	Wood only for power friction brake	238 "	1
1 50	Spring block for folder	310 "	1
1 25	Singletree, wood only, with clips	238 "	2
9 00	Lifting jack, complete	238 "	1

PHILADELPHIA LAWN MOWERS

OLD STYLE

Made from 1872 to 1879



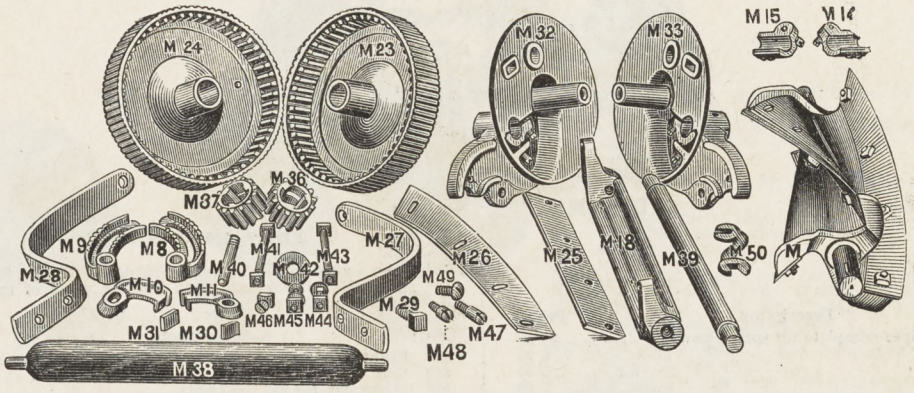
Width of Cut, 10, 12, 14, 16 and 18 inches.

No.		Price.
5	Left hand roller bracket	$0 15
6	Right " " "	15
10	Screw bolt " "	5
11	Set screw " "	5
14	Left hand pinion	40
15	Right " "	40
16	Spring pawl	10
18	Spiral spring	10
19	Prong washer	10
20	Screw bolts for spiral knife, per doz	50
22	Handle for sharpening	10
23	Linch pins, per doz	25
25	Right hand driving wheel, 1873	1 25
26	Left " " " 1873	1 25
27	Cylinder, complete, 10 inch	4 50
	" " 12 "	5 50
	" " 14 "	5 50
	" " 16 "	6 25
	" " 18 "	6 25
28	Spiral knife blade, 10 inch	50
	" " " 12 "	60
	" " " 14 "	60
	" " " 16 "	65
	" " " 18 "	65
29	Right hand side plate, 1873	1 75
30	Left " " " 1873	1 75
31	Wood roller, 10 inch	75
	" " 12 "	75
	" " 14 "	75
	" " 16 "	85
	" " 18 "	85

No.		Price.
32	Steel blade for stationary knife, 10 inch	$0 55
	" " " " " 12 "	60
	" " " " " 14 "	65
	" " " " " 16 "	70
	" " " " " 18 "	75
33	Cast back for stationary knife, 10 inch	1 00
	" " " " " 12 "	1 25
	" " " " " 14 "	1 35
	" " " " " 16 "	1 50
	" " " " " 18 "	1 80
34	Right hand handle brace, give size	40
35	Left " " " " "	40
36	Machine screw for stationary knife, per doz	40
38	Screw bolt for handle	10
39	Right hand cap for cylinder box, 1873	50
40	Left " " " " 1873	50
100	" " driving wheel, 1874–79	1 25
101	Right " " " 1874–79	1 25
102	" " side plate, 1874	1 75
103	Left " " " 1874	1 75
104	Cap for cylinder boxes, 1874	30
107	Right hand side plate, 1876–1879	1 75
108	Left " " " 1876–1879	1 75
109	Cap for right cylinder boxes, 1877	30
110	" " left " " 1877	30
130	Right hand driving wheel, 1879	1 25
130	Left " " " 1879	1 25
	Wrench	15
	Wood handle	1 00

PHILADELPHIA LAWN MOWER.

STYLE M—1880.



No.		Price.
M 8	Right-hand roller-bracket	$0 15
M 9	Left " "	15
M 10	Right " bracket for handle-brace	20
M 11	Left " " "	20
M 12	Right-hand side-plate, low center	1 75
M 13	Left " " "	1 75
M 14	" " wiper-box cap	30
M 15	Right " " "	30
M 18	Cast-back for stationary knife, 14 in	1 35
M 19	" " " 16 "	1 50
M 20	" " " 18 "	1 80
M 21	" " " 20 "	2 00
M 23	Right-hand drive-wheel, 7 in. diam	1 25
M 24	Left " " 7 "	1 25
M 25	Steel blade for stationary-knife, 14 in	75
M 25	" " " 16 "	75
M 25	" " " 18 "	1 00
M 25	" " " 20 "	1 00
M 26	Spiral knife-blade, 14 in	65
M 26	" " 16 "	70
M 26	" " 18 "	75
M 26	" " 20 "	85
M	Solid wiper, complete, 14 in	5 50
	" " 16 "	6 25
	" " 18 "	6 25
	" " 20 "	7 00
M	" casting, 14 "	4 50
	" " 16 "	5 00
	" " 18 "	5 50
	Solid-wiper casting, 20 in	$6 00
M 27	Handle-brace, 14 in., each	40
M 27	" 16 " "	40
M 27	" 18 " "	50
M 27	" 20 " "	50
M 29	Square-head pivot-screw	10
M 30	Ratchet-pawl	10
M 31	Long pawl for sharpening	10
M 32	Right-hand side-plate, high center	1 75
M 33	Left " " "	1 75
M 36	Right " Pinion (slot pawl)	40
M 37	Left " " "	40
M 38	Wood-roller, 14 in	75
M 38	" 16 "	85
M 38	" 18 "	85
M 38	" 20 "	1 00
M 39	Girth (size length)	1 00
M 40	Sharpening-handle	10
M 41	Axle-bolt	10
M 42	" washer	10
M 43	Handle-bolt	10
M 44	Bolt for handle-bracket	05
M 45	" roller "	05
M 46	" spiral-knife, per doz	50
M 47	Set-screw for stationary-knife	05
M 48	" wiper-box	05
M 49	Machine-screw for stationary-knife, doz.	40
M 50	Wrench	15
	Wood-handle	1 00

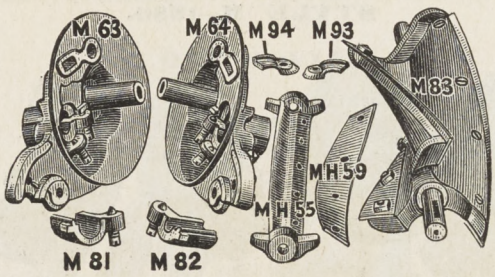
1881 TO 1887

The following parts of machines made in 1881, 1882, 1883, 1884, 1885 and 1886 are not like similar parts of of machines made in 1880.

No.	Description.	Price.
M 51	Wiper, complete, silent lock-pawl, 14 in.; diam. of journals, 13-16 in	$5 50
M 52	Wiper, complete, silent lock-pawl, 16 in.; diam. of journals, 13-16 in	6 25
M 53	Wiper, complete, silent lock-pawl, 18 in.; diam. of journals, 13-16 in	6 25
M 54	Wiper, complete, silent lock-pawl, 20 in.; diam. of journals, 13-16 in	7 00
MH 55	Cast-back for stationary-knife, 14 in	1 35
MH 56	" " 16 "	1 50
MH 57	" " 18 "	1 80
MH 58	" " 20 "	2 00
MH 59	Spiral-blades, 14 in	$0 60
MH 60	" 16 "	70
MH 61	" 18 "	75
MH 62	" 20 "	85
M 63	Right-side for spring-pawl	1 75
M 64	Left " " "	1 75
M 65	Right " " silent lock-pawl	1 75
M 66	Left " " " "	1 75
M 67	Right cap for M 65	35
M 68	Left " M 66	35
M 81	Right " M 63	35
M 82	Left " M 64	35

PHILADELPHIA LAWN MOWER—Continued

STYLE M—1881-1887



No.	Description.	Price.
M83	14 in. Wiper complete for spring pawl	$5 50
M84	16 in. " " "	6 25
M85	18 in. " " "	6 25
M86	20 in. " " "	7 00
M87	Right pinion, spring pawl	40
M88	Left " "	40
M89	Right pinion silent lock pawl	40
M90	Left " "	40
M91	Lock pawl	10
16	Spring pawl	10
M93	Bracket for handle brace, R	15
M94	" " " L	15

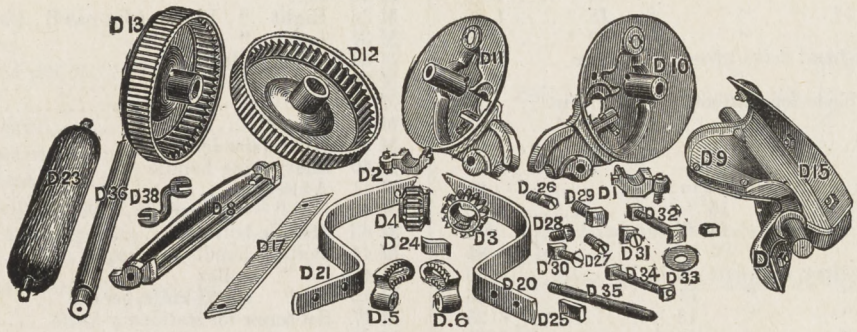
1887 and Since

With the exception of 807, 808, 835 and 836, the following parts will interchange with similar parts of machines made from 1881 to 1887.

No.	Description.	Price.
802	Right side, interchanges with M65	$1 75
803	Left " " " M66	1 75
807	Wiper cap for 802, 1887 only	35
808	" 803, 1887 only	35
809	Right drive wheel, interchanges with M23	1 25
810	Left " " " M24	1 25
811	Right pinion, " " M89	40
812	Left " " " M90	40
835	Right handle brace bracket, 1887 only	15
836	Left " " 1887 only	15
838	14 in. Knife back, interchanging with MH55	1 35
839	16 in. " " " MH56	1 50
840	18 in. " " " MH57	1 80
841	20 in. " " " MH58	2 00

All other parts of M 1887 machines are those used since 1881.

STYLE D—1880



Price of Parts

No.		Price.
D 1	Right hand box cap, 1880 only	$0 35
D 2	Left " " 1880 only	35
D 3	Right " pinion 1880 only	40
D 4	Left " " 1890 only	40
D 5	Left " roller bracket	15
D 6	Right " "	15
D 7	Cast back for stationary knife, 10 inch	1 00
D 8	" " " 12 inch	1 25
D	Wiper casting, 10 inch, 1880 only	3 25
D	" " 12 inch, 1880 only	4 00
D 9	" complete, 10 inch, 1880 only	4 25
D 9	" " 12 inch, 1880 only	5 00
D10	Right hand side plate, 1880 only	1 75
D11	Left " " 1880 only	1 75
D12	Right " drive wheel	1 25
D13	Left " "	1 25
D14	Spiral knife blade, 10 inch, 1880 only	50
D15	" " 12 inch, 1880 only	60
D16	Steel blade for stationary knife, 10 inch	55
D17	" " " 12 inch	60
D18	Right hand handle brace, 10 inch	40
D19	Left " " 10 inch	40
D20	Right " " 12 inch	40
D21	Left " " 12 inch	40
D22	Wood roller, 10 inch	75
D23	" 12 inch	75
D24	Ratchet pawl, 1880 only, 7/8 inches long	10
D24½	" 1881, 15-16 inches long	10
D25	Pawl for sharpening, 1 inch long	10
D26	Set screw for stationary knife	5
D27	" box cap	5

No.		Price.
D28	Screws for stationary knife, per dozen	$0 40
D29	Pivot screw for stationary knife	10
D30	Bolt for roller bracket	10
D31	" spiral blades, per dozen	50
D32	" axle of drive wheel	10
D33	Washer for axle of drive wheel	10
D34	Bolt for wood handle	10
D35	Handle for sharpening	10
D36	Girth	1 00
D37	Wood handle	1 00
D38	Wrench	15

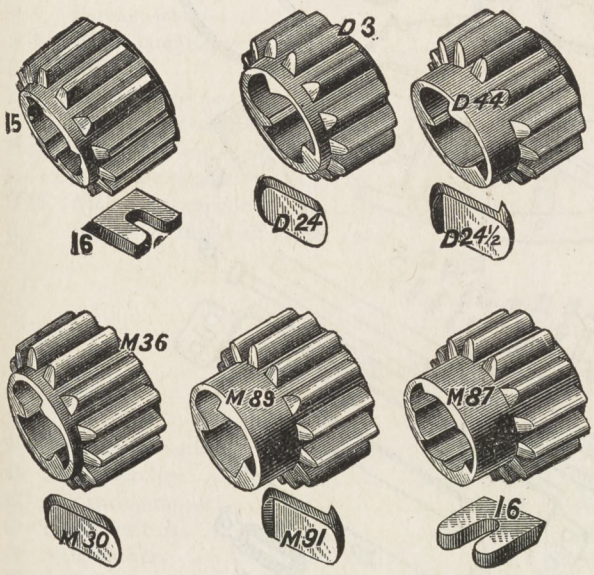
1881 and Since

The following parts of machines made in 1881 and since are different from similar parts of 1880:

D40	Right side	1 75
D41	Left side	1 75
D42	Right box cap for D40	35
D43	Left " D41	35
D44	Right pinion	40
D45	Left pinion	40
D48	10 inch wiper, complete	4 25
D49	12 inch "	5 00
D50	14 inch "	5 50
D52	Cast back stationary knife, 14 inch	1 35
D53	Steel blade for stationary knife, 14 inch	65
D54	10 inch spiral blade	50
D55	12 inch "	60
D56	14 inch "	60
D57	Right side, 1889 and since	1 75
D59	Left " " "	1 75

DIFFERENT PINIONS AND PAWLS USED ON THE PHILADELPHIA LAWN MOWER

When ordering, give number of Pinion or Pawl.



No. 14—Left pinion. Length of bore, 1 3-16 in.; diam. of bore, ⅞ in.
No. 15—Right pinion. Will fit any machine made in 1879 or before that date.
No. 16—Spring pawl.

No. D 3—Right pinion, 1880. Length of bore, 1⅛ in.; diam. of bore, ¾ in.
No. D 4—Left pinion, 1880. Fit style D of 1880 only.
No. D 24—Silent pawl, 1880. ⅞ in. long, 1½ in. wide, ⅛ even thickness.

No. D 44—Right pinion, 1881. Length of bore, 1 5-16 in.
No. D 45—Left pinion, 1881. Diameter of bore, 13-16 in.
No. D 24½—Lock pawl. 1881. 15-16 long, ½ wide, ⅛ thick, with projections at each end.

No. M 36—Right pinion, 1880. Length of bore, 1⅛ in.; diam. of bore, 13-16 in.
No. M 37—Left pinion, 1880. Fit style M of 1880 only.
No M 30—Silent pawl, 1880. 15-16 long, ½ wide, ⅛ even thickness.

No. M 87—Right pinion, 1881. Length of bore, 1½ in.; diam. of bore, ⅞ in.
No. M 88—Left pinion, 1881. Will fit style M with spring pawl only.
No. 16—Spring pawl. ⅝ long, ¾ wide, 3-16 thick, shaped as shown.

No. M 89—Right pinion, 1881. Length of bore, 1½ in.; diam. of bore, 13-16 in.
No. M 90—Left pinion, 1881. Fit style M with lock pawl.
No. M 91—Lock pawl, 1881. Same as D 24½.

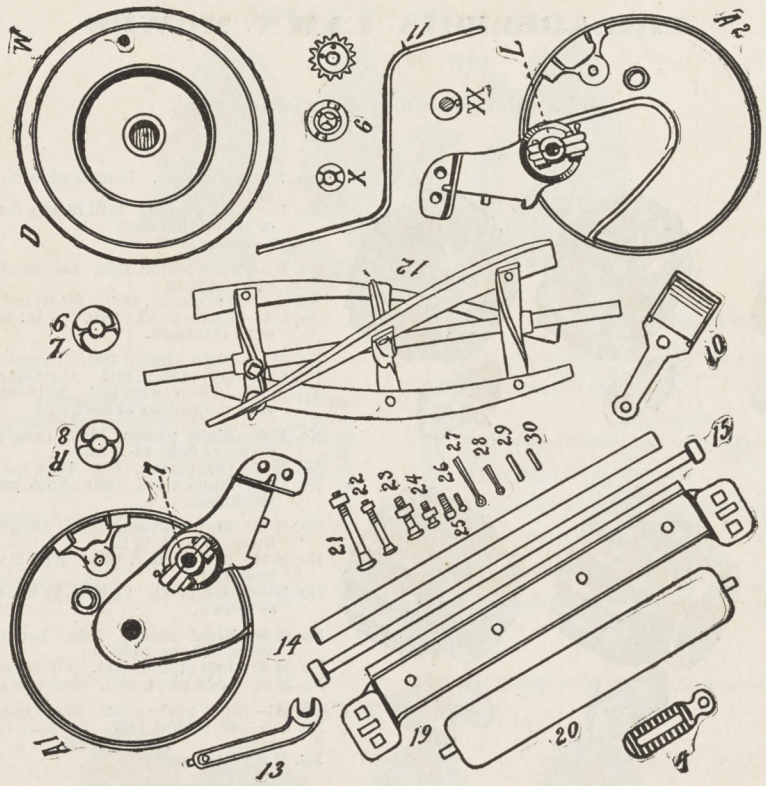
No. 811—Right pinion, 1887. Exchange with M 89 and M 90.
No. 812—Left pinion, 1887. Length and diam. of bore the same.
No. M 91—Lock pawl.

NEW IDEA LAWN MOWER

List No.	Name.	Price.
N 55	Washer	$0 05
N 56	Hanger, right	10
N 57	" left	10
N 65	Wrench	10
N 69	Box	15
N 82	Reel spider, left	25
N 83	" center	25
N 84	" right	25
N 99	16 inch cutter bar knife	50
N 100	18 " " "	60
N 104	16 " reel blade	25
N 105	18 " "	30
N 111	Headless coach screw for roller	05
N 112	Square head cap screw	05
N 113	Headless adjusting screw	05
N 114	Right and left adjusting screw, with nut	10
N 115	Stud, thread cut on one end	05
N 140	Ground wheel	75
N 141	Gear wheel	75
N 142	Pinion	15
N 143	16 inch cutter bar	50
N 144	Side plate, right	50
N 145	" left	50
N 146	18 inch cutter bar	60
N 147	20 " "	70
N 148	Key to hold pinion to reel shaft	05
N 150	16 inch handle bail	25
N 151	18 " " "	25

List No.	Name.	Price.
N 152	20 inch handle bail	$0 25
N 153	Pin for turning wheel	05
N 154	16 inch reel shaft	40
N 155	18 " "	50
N 156	20 " "	60
N 157	16 " brace rod	50
N 158	18 " "	60
N 159	20 " "	70
N 160	Spring, right	20
N 161	" left	20
N 162	20 inch reel blade	35
N 163	20 " cutter bar knife	75
N 164	Handle	30
N 165	" hold	20
N 166	16 inch roller	20
N 167	18 " "	25
N 168	20 " "	30
N 169	16 " " with pins	30
N 170	18 " " "	35
N 171	20 " " "	40
N 172	16 " reel, complete, with knives	2 25
N 173	18 " " " " "	2 50
N 174	20 " " " " "	2 75
N 175		
N 176	Handle, complete	50
N 177	16 inch cutter bar, with knife	1 15
N 178	18 " " "	1 35
N 179	20 " " "	1 55

TIGER LAWN MOWER



PRICE LIST FOR PARTS IN DUPLICATE

No	Description.	Price.
DW	Drive wheel, both alike	$1 00
5	Pinion on reel shaft, both alike	40
6	Hood washer, outside drive wheel	10
A 1	Right-hand disk	1 75
A 2	Left " "	1 75
R 8	Right " inside ratchet	20
R 9	Left " "	20
X	Outside ratchet, both alike	15
A 7	Right-hand reel box cap	20
AL	Left " " "	20
4	Roller arm, both alike	10
10	Handle clip, to attach handle to tongue	10
13	Wrench	10
XX	Back grinding washer	10
12	Wiper, complete, 10 in., each	1 30
12	" " 12 " "	1 50
12	" " 14 " "	1 70
12	" " 16 " "	1 90
12	" " 18 " "	2 15
12	" " 20 " "	2 50
19	Cutting bar, 10 " "	60
19	" 12 " "	75
19	" 14 " "	90
19	" 16 " "	1 05
19	" 18 " "	1 20
19	" 20 " "	1 35
11	Handle braces, 10 " "	15
11	" 12 " "	20
11	" 14 " "	20
11	" 16 " "	25
11	" 18 " "	30
11	" 20 " "	30

No.	Description.	Price.
21	Bolt attaching handle braces	$0 06
22	" " clip	05
23	" roller and cutting bar	05
24	" reel box cap	05
25	" reel arm to shaft	07
26	Tension screw reel box cap	05
27	Cotter outside drive wheel	05
28	" end reel shaft	05
29	Steel pawl in the pinion, set of 4	15
30	" pins, to attach Nos. 8 and 9, per doz	20
31	Wood handle, complete	75
32	Turned " varnished	25
33	Tongue, varnished, bored and lettered	25
14	Pipe in front of reel, 10 in., each	20
14	" " 12 " "	20
14	" " 14 " "	20
14	" " 16 " "	25
14	" " 18 " "	25
14	" " 20 " "	35
15	Rod through the pipe, 10 " "	10
15	" " 12 " "	15
15	" " 14 " "	20
15	" " 16 " "	20
15	" " 18 " "	25
15	" " 20 " "	30
20	Wood roller, 10 " "	40
20	" 12 " "	50
20	" 14 " "	50
20	" 16 " "	75
20	" 18 " "	75
20	" 20 " "	1 00

Order by letters and numbers, using this list, with the name of mower.

VETERAN SULKY RAKE

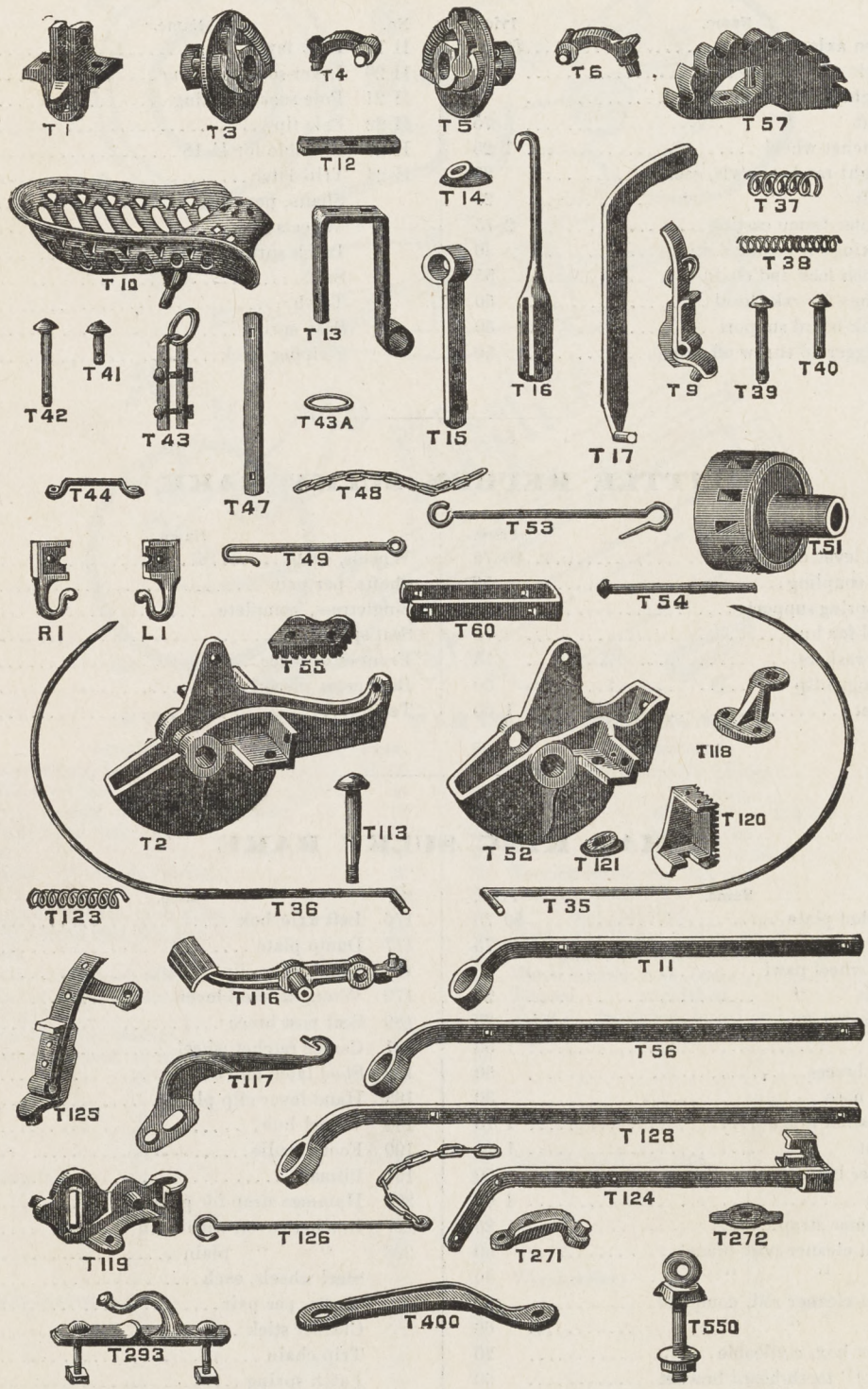
No.	Name.	Price.
H 1	Iron axle-support	$0 90
H 1½	Axle-support, each	90
H 3	Right flange-disk	75
H 4	Left " "	75
H 5	Ratchet-wheel	1 25
H 6	Right ratchet-pawls, each	20
H 7	Left " "	20
H 8	Center frame casting	2 75
H 9	Boxing for center casting	40
H 13	Latch lock and chain	55
H 14	Hinge for rake head	50
H 15	Back-board support	50
H 17	Trigger to throw off latch	50
H 18	Foot lever	$0 75
H 20	Lever-socket casting	1 50
H 21	Pole-socket casting	1 75
H 22	Pole tip	50
H 23	Thimble for H 18	75
H 24	Trip latch	60
	Shafts, per pair	3 00
	Wheels	5 00
	Latch spring	20
	Seat	1 50
	Teeth	25
	Seat spring	1 00
	Stripper stick	20

LITTLE REUBEN SULKY RAKE

No.	Name.	Price.
94	Hand lever casting	$0 75
95	Thill coupling	50
97	Seat spring support	50
98	Shield for hub	75
99	Axle washers	15
H 22	Tongue tip	50
	Seat	1 50
	Wheels, each	$5 00
	Shafts, per pair	3 00
	Singletrees, complete	75
	Seat spring	75
	Front cross piece	40
	Rear cross piece	40
	Teeth	25

HAY KING SULKY RAKE

No.	Name.	Price.
5 R	Ratchet plate	$0 75
6 L	" "	75
7 L	Left wheel pawl	20
8 R	Right "	20
9 T	Releasiug stop	20
27	Seat	1 50
92	Pole braces	50
95	Pole nose	30
163	Left shaft brace	1 75
164	Right "	1 75
165	Center brace	50
148	Axle	4 00
166	Hammer strap	25
167	Right cleaner post brace	50
168	Left " "	50
169	Right cleaner rod, complete	60
170	Left " "	60
171	Roller box, malleable	20
172	"End" tooth-board bracket	60
198	"Center" " "	60
175	Right axle box	90
176	Left axle box	$0 90
177	Dump plate	30
178	Hand lever clip	75
179	Wrought hand lever	1 25
180	Seat post brace	75
181	Center ratchet wheel	1 50
182	Steel latch and casting	1 50
183	Hand lever clip plate	25
184	Wheel hub	1 25
190	Foot treadle	60
191	Pitman	80
200	Hammer strap for pole	40
227	Ratchet cover, with horn	1 00
228	" " plain	85
	Steel wheels, each	5 00
	Shafts, per pair	3 00
	Cleaner stick	20
	Trip chain	40
	Latch spring	25
	Pawl "	20
	Steel teeth	25


T1
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T128
T124
T119
T126
T271
T272
T400
T550
T293

THE TIGER RAKE

MALLEABLE AND CAST IRON PARTS

Letter and No.	Price.		Year.	Kind of Rake.
T 1	$0 50	Lever hinge casting	76	Wood.
T 2	1 75	Hood (See T52 and T772)	76 only.	"
T 3	75	Right ratchet plate with pawl and spring	76	Both.
T 4	20	Right pawl	76	"
T 5	75	Left ratchet plate with pawl and string	76	"
T 6	20	Left pawl	76	"
T 7	60	Half dump wheel	76-77	Wood.
T 8	60	" "	76-77	"
T 10	1 50	Seat	76	"
T 14	5	Washer under seat	76	"
T 43	15	Wrench	92	Both.
T 43A	10	Guide board ring	76	Wood.
T 44	10	Shaft loop	76	"
T 44A	15	Heavy shaft loop	76	"
T 51	1 50	Hub of light wheel	76	"
T 52	1 75	Hood, 4 inches between teeth	78	"
T 52A	1 75	" 3 inches "	78	"
T 55	10	Foot rest on lever	78-87	"
T 57	60	Half of dump wheel (may be used for T58)	78	"
T 58	60	" "	78	"
D 92	1 00	Right ratchet plate with pawl and spring	89	Both.
D 93	1 00	Left " " " "	89	"
T 95	60	Half of dump wheel	90	Wood.
D 98	45	Hub of heavy wheel	89	"
T110	30	Foot plate on lever	92	Both.
T111	40	Nut for steel wheel	87 only.	Wood.
T112	1 25	Hub of steel wheel, use T174	87 "	"
T113	15	Doubletree pin	80	"
T114	1 75	Hood, 1¼ inch axle	80	"
T115	75	Half of dump wheel, 1¼ inch axle	80	"
T116	40	Foot treadle	87 only	"
T117	20	Chain arm	87 "	"
T118	15	Clip on lifting latch	87	"
T119	40	Support for treadle	87 only.	"
T120	30	Foot rest on lever	87 "	"
T121	10	Washer for lever	87	"
T150	15	Spring washer	88	Both.
T151	75	Foot treadle	88	Wood.
T152	40	Support for treadle	88	"
T153	20	Foot rest on lever	88	"
T155	20	Washer on cleaner bar, right	88	"
T156	20	" " left	88	"
T157	20	Truss rod post	88	"
T158	20	"	88	"
T159	20	Doubletree pin	88	"
T160	75	Lever hinge casting	88	"
T174	1 50	Hub to replace T112	87	"
T175	45	Neck yoke drop on plain pole	89	"
T176	20	Rein guard over dump wheel	90	"
C207	15	Thimble for doubletree	90	"
208	1 50	Hub of steel wheel with nut	92 only.	Both.
209	20	Nut of steel wheel	92 "	"
T212	60	Neck yoke drop	89	Wood.
T214	15	Doubletree thimble	89	"
T215	40	Washer at end of pole, per dozen	89	"
T271	15	Clip on lifting latch	76	"
T272	10	Felloe plate	76	"
293	20	Neck yoke hook	76	"
D317	10	Drop in T212	94	"
400	30	Doubletree strap	80	"

Continued on Page 108.

TIGER RAKE—Continued

MALLEABLE AND CAST IRON PARTS—Continued

Letter and No.	Price.		Year.	Kind of Rake.
T523	$0	15 Washer on seat bolt, same as W1	92	Both.
T524		60 Lever hinge casting	94	Wood.
....		15 Singletree hook and ferrule, 1⅛ inch	.....	.....
T525	1	00 End bearing with loop, 8 foot rake, right	92	Wood.
T526	1	00 " " " " 8 " " left	92	"
T525B	1	00 " " " " 8 " " right	92	Metal.
T526B	1	00 " " " " 8 " " left	92	"
T527	1	50 Center casting in head, 8 foot rake	92 only.	"
T528	1	50 " " " 10 " "	92 "	"
T529	1	00 End bearing with loop, 10 or 12 foot rake, right	92-93	Wood.
T530	1	00 " " " " 10 " 12 " " left	92-93	"
T529B	1	00 " " " " 10 foot rake, right	92-93	Metal.
T530B	1	00 " " " " 10 " " left	92-93	"
T531	1	50 Center casting in head, 8 foot rake	92 only.	Wood.
T532	1	50 " " " 10 or 12 foot rake	92 "	"
T533	1	50 " " " Australian rake	92 "	"
T534	1	00 Dump wheel	92	Both.
T535		20 Foot rest on girth	92	Wood.
T536		40 Seat spring socket on cleaner bar	92	"
T537	2	50 Hub of special 60 inch wheel	92 only.	"
T538		60 Cap for T537	92 "	"
T539		15 Lever center on center bar	92 "	"
T541		15 Cleaner bar end	92	"
T542		10 Cast washer on oval cleaner. See T472	92	"
T543		30 Knock out for latch. Use T562	92 only.	"
T544		15 Truss rod post	92	"
T545		10 Lever center on platform	92 only.	Metal.
T546		15 Foot rest	92	"
T547		40 Name plate	92	"
T548		10 Center piece in head angle	92	"
T549		10 Space piece between tooth guide and loop	92	"
T551		10 Cleaner washer	92	"
T552		20 Knock out for latch, 8 foot rake	92-93	"
T553		60 Extension for neck yoke	92	"
T554		45 " above tooth guide for lever connection	92 only.	Both.
T555		45 Latch box with foot lever	92 "	"
T556		30 Knock out for latch, 10 foot rake	92 "	Metal.
T557		10 Singletree hook, steel singletree	92	"
T558		20 Knock out for lifting latch, 8 foot rake	92-93	Wood.
T559		10 Washer to hold lever on T539	92 only.	Both.
T561		90 Center bearing, with guide board loop	92-93	Wood.
T561B		90 " " " tooth guide "	92-93	Metal.
T562		30 Knock out for lifting latch, 10 or 12 foot rake	92-93	Wood.
T563		60 Lever center on center bar	92 only.	"
T564		30 Foot rest on special lever. Use T110	92 "	Both.
T565		10 Chain clip on seat brace	92 "	"
T566		30 Connection center on head	92 "	Wood.
T567		40 Lever pivot	92 "	Metal.
T568		30 Connection pivot on head	92 "	"
T569		45 Lever center on platform	93	"
T570	1	50 Center casting in head, 8 foot rake	93	"
T571		20 Foot treadle to operate latch	93	Both.
T572		45 Lever pivot casting on center bar	93	Wood.
T573		15 Trunnion for T571	93	Both.
T574	1	50 Center casting in head, 8 foot rake	93	Wood.
T575	1	50 " " " 10 or 12 foot rake	93	"
T576	4	50 Steel wheel		Both.
T577	1	50 Center casting in head, 10 foot rake	93 only.	Metal.
T579		15 Special loop for hold back strap, low	93 "	"
T580		15 " " " " " high	93 "	"
T581		60 Pole point and hook	93 "	"
T582		30 Truss rod post	93 "	"
T583		15 Washer at rear end of pole	93 "	"
T584		20 Ring for metal neck yoke	94	"

Continued on Page 109.

TIGER RAKE—Continued

MALLEABLE AND CAST IRON PARTS—Continued

Letter and No.	Price.		Year.	Kind of Rake.
T585	$1 50	Center casting in head	94	Metal.
T586	60	Lever hinge casting	94	"
T587	90	End bearing and loop	94	Wood.
T587B	90	" "	94	Metal.
T588	10	Hold back loop on shaft	94	"
T589	20	Knock out for latch	94	"
T590	20	" "	94	Wood.
T591	75	Lever hinge casting	94	"
T592	30	Foot plate on lever	94	Both.
T593	20	Center for trip treadle	94	"
T594	45	Trip treadle	94	"
T595	15	Clip on lifting latch	94	"
T597	60	Center hinge on axle	94	Metal.
T599	75	Lever hinge, divided lever	94	"
T600	1 50	Center casting in head	94	Wood.
T601	90	Lever hinge, divided lever	94	"
T602	15	Center piece in single tree	94	Metal.
T640	30	Hook for neck yoke	94	"
T641	15	Clamp on pole extension, front	94	"
T642	15	" " rear	94	"
T643	20	Truss rod post	94	"
T644	15	Plate for truss rod	94	"
T772	1 75	Hood	77 only.	Wood.
T1001	45	Wrench	88	"

WROUGHT IRON AND STEEL PARTS

Letter and No.	Price.		Year.	Kind of Rake.
T9	$1 25	Steel lifting latch for T52, hood	78–87	Wood.
T9B	1 25	" " T2, "	76 only.	"
T11	1 00	Long hinge, 8 foot rake	76–92	"
T12	15	Strengthening cap	76	Both.
T13	1 00	End loop	76–93	Wood.
T15	75	Center hinge	76–92	"
T16	90	Lever connection	76–93	Both.
T17	1 00	"	76–87	Wood.
T18	3 00	Axle, 8 foot rake	76–92	"
T35	25	Right rake tooth	76	Both.
T36	25	Left "	76	"
T37	10	Lifting latch spring	76	"
T38	10	Pawl spring	76	"
T39	10	Pin for T3 or 5	76	"
T40	05	Pin for T1	76	"
T41	05	Pin in lever connection	76–93	"
T42	05	Pin in lifting latch	76	"
T43	15	Hold up loop and ring	76–93	Wood.
T47	10	Single tree strap	76–92	"
T48	20	Foot chain	76–87	"
T49	10	Hold up hook	76–92	"
T53	10	Long link on foot chain	76–92	"
T54	10	Single tree pin	76–90	"
T56	90	Long hinge, 9½ foot rake	76–92	"
T59	4 00	Axle for 9½ foot rake	76–92	"
R97	15	Handle pin with nut	92–93	Both.
R98	25	Handle, complete	92–93	"
T123	15	Spring for T119	87 only.	Wood.
T124	1 25	Lever with T120	87 "	"
T125	1 25	Steel lifting latch	87–92	"
T126	20	Chain with long link	87–92	"
T128	90	Long hinge, 10 foot rake	80–87	"
T129	50	Center hinge, 10 foot rake	80–87	"
T130	4 00	Axle, 10 foot rake	87–93	"
T154	10	Spring for foot treadle	88	"

Continued on page 110.

TIGER RAKE—Continued

WROUGHT IRON AND STEEL PARTS—Continued

Letter and No.	Price.		Year.	Kind of Rake.
T162	$0 75	Truss rod, 10 foot rake	88-93	Wood.
T163	90	" " 12 "	88-93	"
T164	1 50	Long hinge, 10 foot rake	88-93	"
T166	75	Center hinge, 10 or 12 foot rake	88-93	"
T167	6 00	Steel axle, 10 foot rake	88-93	"
T168	6 00	" " 12 "	88-93	"
T169	1 50	Lifting latch, 10 or 12 foot rake	88-93	"
T170	15	Pin for latch, T169	88-93	"
T171	1 50	Long hinge, 12 foot rake	88-93	"
T249	1 00	Lever connection, 10 or 12 foot rake	88-93	"
T265	15	Pin in D92 or 93	88	Both.
T266	20	Neck yoke eye bolt	80	"
T267	30	Hold-up loop and ring	80-93	Wood.
T268	3 00	Axle, 16 tooth rake	90-93	"
T269	1 00	Long hinge, 16 tooth rake	90-93	"
T270	10	Key in dump wheel, T95	90-93	"
T445	20	Single tree, eye bolt, with nuts	92-93	"
T446	15	Hold-up hook	92-93	Both.
T447	20	Foot treadle support fastened to girth	93 only.	Wood.
T448	15	Brace to cleaner bar from side rail	92	"
T449	30	Seat spring brace	92	"
T466	30	Dump wheel guard	92	"
T467	75	Truss rod, 10 foot rake, with nuts	93	"
T468	90	" " 12 " "	93	"
T469	1 00	Foot lever, with T110 riveted on	93-94	"
T470	50	Hand lever	93-94	"
T471	1 50	Steel seat spring	92	Both.
T472	60	" cleaners (oval steel, 35 inches long), with cast washer and nut	92	Wood.
T473	1 00	Lifting latch, without chain	93-94	Both.
T474	1 25	" " with chain and link (complete)	93-94	"
T475	30	Long link and chain for latch	93-94	"
T476	15	Pin in dump wheel, T534	92	"
T477	15	Lifting latch spring	92-93	"
T478	10	Pin in T572	93-94	Wood.
T479	15	Hook to bolt in girth	92-94	"
T480	1 00	Long hinge platform to head, 8 foot rake	92-94	"
T481	1 10	" " " " 10 "	92-93	"
T482	1 25	" " " " 12 "	92-93	"
T483	90	Center hinge, 8 foot rake	92-94	"
T484	90	" " 10 "	92-93	"
T485	90	" " 12 "	92-93	"
T486	3 50	Axle, 8 foot rake	92	Both.
T487	5 00	" 9½ " (special)	92 only.	Wood.
T488	6 00	" 10 " (steel)	92	Both.
T489	6 50	" 12 " "	93	"
T490	4 50	Steel wheel		"
T491	75	Hand lever	92 only.	"
T492	45	Foot lever with T555	92 "	"
T493	20	Right connection to lever	92 "	"
T494	20	Left " "	92 "	"
T495	30	Latch lever	92 "	"
T496	1 00	Lifting latch used with T495	92 "	"
T497	15	Cap screw in T555	92 "	"
T498	10	Felloe plate	92 "	Wood.
T499	1 25	Steel seat	92 "	Both.
T700	20	Single tree eye bolt, with nuts	92-93	Metal.
T701	30	Dump wheel guard	92	"
T702	15	Clevis for double tree	93 only.	"
T703	30	Brace to seat spring	92	"
T704	20	Shaft holder on frame rail	92-94	"

Continued on Page 111.

TIGER RAKE—Continued

WROUGHT IRON AND STEEL PARTS—Continued

Letter and No.	Price.		Year.	Kind of Rake.
T705	$0	15 Small angle on main angle bar for shaft end	92	Metal.
T706		15 Angle on main angle bar under seat spring	92	"
T707		20 Foot treadle support	93–94	"
T708		45 Hand lever	93–94	"
T709	1	00 Foot lever with T110 riveted on	93–94	"
T710	1	50 Front rail of platform	92–94	"
T711	1	00 Center bar in platform	92–94	"
T712	1	75 Right shaft (tubular)	92	"
T713	1	75 Left "	92	"
T714		15 Hold-back eye bolt on shafts	92–94	"
T715		75 Platform hinge on angle bar, outside, 8 foot	92–94	"
T716		75 " " " center, 8 foot	92–94	"
T717		75 " " " outside, 10 foot	92–94	"
T718		75 " " " center, 10 foot	92–94	"
T719	2	00 Tooth guide, 20 tooth rake	92	"
T720	2	00 " 26 tooth, 8 foot rake	92	"
T721	2	50 " 26 tooth, 10 foot rake	92	"
T722	2	50 " 34 tooth, 10 foot rake	92	"
T723		75 Steel singletree	92–94	"
T724		75 Steel cleaners, 32 inch, casting and nut	92	"
T725	2	00 Head angle 20 tooth rake	92	"
T726	2	00 " 26 tooth, 8 foot rake	92	"
T727	2	50 " 26 tooth, 10 foot rake	92	"
T728	2	50 Main angle or cleaner bar, 8 foot rake	92–94	"
T729	3	00 " " " 10 foot rake	92–94	"
T730		45 Nut lock for cleaner, per dozen	92	"
T733		10 Pin in T569	93–94	"
T734		10 Center bolt fastening head to hood	92	"
T735		20 Brace to draft pin	94	"
T736		60 Lever connection	94	Both.
T737		75 Lever connection on 10 or 12 foot rake	94	"
T738	1	50 Brace to pole on 12 foot rake	94	Metal.
T739	1	00 Long hinge, 8 foot rake	94	"
T740	1	50 " 10 foot rake	94	"
T741	1	50 " 12 foot rake	94	"
T742	1	50 Neck yoke extension, complete	94	"
T743		40 Hold-up hook and eye bolt	94	"
T744		15 Long link of trip chain	94	Both.
T745		30 Trip chain and link, complete	94	"
T746		15 U bolt to clamp brace to pole	94	Metal.
T747		15 " for wood handle	92–94	"
T748		75 Truss rod, 10 foot rake	94	"
T749		90 " 12 foot rake	94	"
T750		15 Lever pin, turned	94	Both.
T751		20 Shaft holder on frame	94	Metal.
T752		15 Foot guard	94	"
T753	1	00 Foot lever with T592	94	"
T754	1	50 Lifting latch with T595	94	Both.
T755	2	00 Platform angle, 8 or 10 foot	94	Metal.
T756	2	50 " 12 foot	94	"
T757		90 Center draft angle bar, 8 or 10 foot	94	"
T758	1	00 " " 12 foot	94	"
T759	2	50 Heavy rear or cleaner angle, 8 foot	94	"
T760	3	00 " " " 10 foot	94	"
T761	3	50 " " " 12 foot	94	"
T762		20 Brace to draft center	94	Wood.
T763	1	00 Long hinge, 8 foot	94	"
T764	1	50 " 10 foot	94	"
T765	1	75 " 12 foot	94	"
T766		75 Center hinge and brace, 8 foot	94	"
T767		90 " " 10 or 12 foot	94	"
T768		40 Hold-up hook and eye bolt	94	"
T769		75 Truss rod, 10 foot	94	"

Continued on Page 112.

TIGER RAKE—Continued

WROUGHT IRON AND STEEL PARTS—Continued

Letter and No.	Price.		Year.	Kind of Rake.
T770	$0 90	Truss rod, 12 foot	94	Wood.
T771	1 00	Foot lever with T592	94	"
T773	15	Headless pin for T534	94	Both.
T776	75	Steel singletree with T602 eye	94	Metal.
T777	45	D tooth, old rakes	80–92	Wood.
T778	45	" one end threaded	92–94	Both.
T779	45	" eye on one end	94	"

WOOD PARTS

Letter and No.	Price.		Year.	Kind of Rake.
T 19	$1 50	Left shaft	76–92	Wood.
T 20	1 50	Right "	76–92	"
T 21	50	Seat board	76–92	"
T 22	50	Singletree girth	76–92	"
T 23	50	Short girth	76–92	"
T 24	75	Long "	76–92	"
T 25	1 25	Cleaner bar, 20 tooth	76–92	"
T 26	75	Lever handle	76–87	"
T 27	75	Right head, 20 tooth	76–92	"
T 28	25	" cap, 20 or 26 tooth	76–92	"
T 29	75	Left head, 20 tooth	76–92	"
T 30	25	" cap, 20 or 26 tooth	76–92	"
T 31	1 50	Guide board, 20 tooth	76–92	"
T 32	20	Cleaner stick	76–92	"
T 33	1 00	Singletree, with hooks	76–92	"
T 34	4 00	Carrying wheel	76	"
T 61	2 50	Tongue	76–90	"
T 62	50	Right side rail, used with tongue	76–92	"
T 63	50	Left " " " "	76–92	"
T 67	75	Right head, 26 tooth	76–92	"
T 68	75	Left " "	76–92	"
T 69	1 50	Guide board "	76–92	"
T 70	1 25	Cleaner bar "	76–92	"
T 71	1 25	Right head, two horse rake, 24 tooth	76–92	"
T 72	30	" cap, " " "	76–92	"
T 73	1 25	Left head, " " "	76–92	"
T 74	30	" cap, " " "	76–92	"
T 75	2 00	Guide board, " " "	76–92	"
T 76	1 50	Cleaner bar, " " "	76–92	"
T131	50	Lever handle	87–92	"
T132	2 00	Guide board, two horse, 30 tooth	80–90	"
T133	1 25	Right head, " "	80–90	"
T134	30	" cap, " "	80–90	"
T135	1 25	Left head, " "	80–90	"
T136	30	" cap, " "	80–90	"
T137	1 50	Cleaner bar, " "	80–90	"
T138	2 50	Guide board, two horse, 34 tooth	80–88	"
T139	1 50	Right head, " "	80–88	"
T140	35	" cap, " "	80–88	"
T141	1 00	Left head, " "	80–88	"
T142	35	" cap, " "	80–88	"
T143	1 50	Cleaner bar, " "	80–88	"
T144	50	Felloe, one-half of full rim, 1¼ inch tire	76	"
T145	15	Spoke	76	"
T177	4 50	Carrying wheel, 1½ inch tire	88	"
T178	60	Felloe, one-half of full rim, for 1½ inch tire	88	"
T179	60	Long lever handle	88–93	"
T180	3 00	Pole for heavy platform, 26, 32 and 34 tooth rakes	88–93	"
T181	90	Short girth for heavy platform	88–93	"
T182	1 10	Long " " "	88–93	"
T183	50	Right side rail for heavy platform	88–93	"
T184	50	Left " " "	88–93	"

Continued on Page 113.

TIGER RAKE—Continued

WOOD PARTS—Continued

Letter and No.	Price.		Year.	Kind of Rake.
T185	$2 00	Cleaner bar for 26 tooth rake, 10½ feet wide	88–93	Wood.
T186	2 50	Guide board " 26 " 10½ "	88–93	"
T187	1 50	Right head " 26 " 10½ "	88–93	"
T188	1 50	Left " " 26 " 10½ "	88–93	"
T189	45	Right cap for 26 and 34 tooth rakes	88–93	"
T190	45	Left " 26 " 34 "	88–93	"
T191	2 50	Guide board for 34 "	88–93	"
T192	2 25	Cleaner bar " 34 "	88–93	"
T193	1 50	Right head " 34 "	88–93	"
T194	1 50	Left " " 34 "	88–93	"
T195	4 00	Guide board " 32 " 12 feet wide	88–93	"
T196	3 50	Cleaner bar " 32 " 12 "	88–93	"
T197	1 75	Right head " 32 " 12 "	88–93	"
T198	1 75	Left " " 32 " 12 "	88–93	"
T199	75	Right cap " 32 " 12 "	88–93	"
T200	75	Left " " 32 " 12 "	88–93	"
T220	1 00	Right shaft for combined pole and shafts	89–92	"
T221	1 00	Left " " "	89–92	"
T222	60	Singletree girth for combined pole and shafts	89–92	"
T223	1 50	Right shaft combined pole and shafts for 10½ foot rake	90–93	"
T224	1 50	Left " " " " 10½ "	90–93	"
T238	70	Singletree girth " " " 10½ "	90–93	"
T239	75	" extra heavy, combined pole and shafts for 10½ foot rake	90–93	"
T248	50	" light, for combined pole and shafts	89–92	"
C257A	2 00	Doubletree, complete	76	"
T280	1 25	Guide board for 16 tooth rake	90–92	"
T281	90	Cleaner bar " 16 "	90–92	"
T282	75	Right head " 16 "	90–92	"
T283	25	" cap " 16 "	90–92	"
T284	90	Left head " 16 "	90–92	"
T285	30	Left cap " 16 "	90–92	"
T650	1 00	Right shafts, 8 and 10 foot rakes	92	"
T651	1 00	Left " 8 " 10 "	92	"
T652	1 25	Right " 12 foot rake	92	"
T653	1 25	Left " 12 "	92	"
T654	50	Singletree	92	"
T655	75	Girth	92–93	"
T656	50	Center rail	92 only.	"
T657	50	" 8 foot rake	93–94	"
T658	50	" 10 and 12 foot rakes	92–93	"
T659	40	Right side rail, 8 foot rake	92–94	"
T660	40	Left " 8 "	92–94	"
T661	40	Right " 10 "	92–93	"
T662	40	Left " 10 "	92–93	"
T663	40	Right " 12 "	92–93	"
T664	40	Left " 12 "	92–93	"
T665	10	Wood handle on lever	92–94	"
T666	1 00	Cleaner bar, 8 foot rake	92–94	"
T667	1 25	" 10 "	92–93	"
T668	1 75	" 12 "	92–93	"
T669	1 25	Head for 20 tooth rake	92	"
T670	1 25	" 26 " 8 foot rake	92	"
T671	2 00	" 26 " 10 "	92	"
T672	2 00	" 34 " 10 "	92	"
T673	3 00	" 32 " 12 "	92	"
T674	25	Cap for 8 foot rake	92	"
T675	35	" 10 "	92	"
T676	60	" 12 "	92	"
T677	1 25	Guide board, 20 tooth rake, T31 can be used	92	"
T688	1 25	" 26 " 8 foot rake, T69 can be used	92	"
T679	2 00	" 26 " 10 " T186 "	92	"
T680	2 00	" 34 " 10 "	92	"
T681	3 00	" 32 " 12 " T195 can be used	92	"

Continued on page 114.

TIGER RAKE—Continued

WOOD PARTS—Continued

Letter and No.	Price.		Year.	Kind of Rake
T682	$1 25	Neck yoke, ironed	76	Both.
T683	1 50	Cleaner bar, 8 foot rake	94	Wood.
T684	1 60	" 10 "	94	"
T685	2 50	" 12 "	94	"
T686	1 00	Girth	94	"
T687	60	Right side rail, 8 foot rake	94	"
T688	60	Left " 8 "	94	"
T689	60	Right side rail, 10 foot rake	94	"
T690	60	Left " 10 "	94	"
T691	75	Right side rail, 12 foot rake	94	"
T692	75	Left " 12 "	94	"
T693	75	Center bar, 8 foot rake	94	"
T694	75	" 10 "	94	"
T695	75	" 12 "	94	"
T696	75	Singletree, 1 inch hole	94	"
T697	75	Lever handle, 8 foot rake	94	"
T698	90	" " 10 or 12 foot rake	94	"
T699	75	" " 8 foot rake	94	Metal.
T731	40	Tooth cap, 8 foot rake	92	"
T732	40	" 10 "	92	"
T774	90	Lever handle, 10 or 12 foot rake	94	"
T775	75	Tooth cap, 12 foot rake	93	"

GRANGER HAY RAKE

MALLEABLE AND CAST IRON PARTS

Style A—'90–'91 Wood Rake, with double coil teeth.
" B—'92.'93 " " " plain "
Style C—'92 All Metal Rake, plain teeth, head 6 in. wide.
" D—'93 " " " " " 5 "

No.	Each.		Style of Rake
T 44	$0 05	Shaft loop	A-B
J 43	15	Wrench	All.
R 50	75	Dumping arm on rake head	A
R 51	1 25	Cast iron seat	A-B
R 52	20	Handle for lever, 1890	A
R 54	05	Axle washer, inside next to head	A
R 55	35	Pivot for lever on girth	A-B
R 56	05	Washer on stripper post	A-B
R 57	1 25	Hub of wood wheel	A-B
R 59	30	Hinge on head for shafts	A
R 60	10	Axle washer, outside	All.
R 61	05	Small space washer in lever connection	All.
R 62	30	Hinge on head for shafts	B
R 63	65	Center casting on head	B
R 64	10	Right stop for stripper rod	B
R 65	10	Left " " "	B
R 66	20	Double tooth holder, 26 tooth 8 foot rake, right	C-D
R 67	20	" " " 26 " 8 " left	C-D
R 68	5 00	Steel wheel, 1¾ inch tire, 16 spokes. See R228	All.
R 69	05	Seat bolt washer	C-D
R 70	20	Head end	B
R 71	10	Right tooth holders	B-C-D
R 72	10	Left " "	B-C-D
R 73	25	Double tooth holder, 4 inch spacing, right	C-D
R 74	25	" " " 4 " " left	C-D
P109	05	Truss rod washer	A
R150	20	" post	A
R151	75	Center casting in head, 6 inch head	C
R152	35	End casting on head	C
R153	25	Lever pivot	C-D
R154	30	End casting on head	D
R156	15	Hinge on head	C-D
T157	20	Truss rod post, 8 foot rake	B
R157	20	" " 10 or 12 foot rake	C
T158	20	" " 10 " 12 "	A
R158	05	" washer	C-D
R159	75	Center casting in head, 5 inch head	D
R160	15	Truss rod post, 10 or 12 foot rake	D

Continued on Page 115.

GRANGER HAY RAKE—Continued

MALLEABLE AND CAST IRON PARTS—Continued

No.	Each.		Style of Rake.
207	$0 75	Hub of steel wheel, without nut	C
207A	1 00	" " with nut	C
C207	10	Thimble for doubletree	B
209	20	Nut on steel wheel	C
T212	50	Neck yoke pendant	All
T214	10	Singletree stem	A-B
T215	25	Washer at end of shafts, per dozen	All
	10	Singletree hook and ferrule	A-B
293	20	Neck yoke hook	A
T553	50	Extension for neck yoke	C-D
T557	5	Singletree hook, steel singletree	C-D
T579	15	Special loop for hold back, low	D
T580	15	" " " high	D

WROUGHT AND STEEL PARTS

T 35	$0 25	Right tooth	B-C-D
T 36	25	Left "	B-C-D
R 75	1 00	Stub axle	A-B
R 76	25	Hinge on shafts	A-B
R 77	35	Stripper swing rod, right side	A
R 78	35	" " left side	A
R 79	5	Cleaner pin	A-B
R 80	15	Friction yoke on stripper bar	A-B
R 81	15	Hold up hook	A-B
R 82	75	Hand lever. See R179	A-B
R 83	60	Lever connection to rake head	A-B
R 84	15	Shaft brace	A
R 85	10	Brace to stripper post	A-B
R 86	10	Singletree strap	A
R 87	1 50	Steel seat spring, S shaped	A
R 88	30	Steel tooth (tempered in oil), double coil	A
R 89	5	Pin in hand lever and connection	
R 90	5	Pin in R55	A-B
R 91	5	Hinge pin for shaft	A-B
R 92	5	Cotter in axle	
R 93	75	Right brace, platform to axle for 10 or 12 foot rake	A
R 94	75	Left " " " "	A
R 95	40	Truss rod for 10 or 12 foot rake, platform	A
R 96	10	Doubletree strap for 10 or 12 foot rake	A
R 97	15	Handle pin with nut	
R 98	40	Handle (complete), wooden spool, pin and nut	
R 99	20	Pole brace	A
R164	15	Platform brace	B
R165	35	Stripper rod with nut	B
R166	40	Truss rod, 8 foot rake	B
R167	50	" 10 foot rake, 26 teeth	B
R168	60	" 12 foot rake, 32 teeth	B
R169	20	Singletree eye bolt with nuts	B
R170	10	Extra hook bolt in girth with nut	B
R171	1 25	Seat spring, U shaped	B
R172	50	Truss rod, 24 tooth rake	B
R173	60	" 30 tooth rake	B
R174	5	Hold up clip	B
R175	60	Head brace, 12 foot rake	B
R176	5	Clip over stub axle, 10 and 12 foot rake	B
R177	5	Tooth spring	B
R178	5	Shaft loop driven in shaft	B
R179	1 75	Lever, complete with connections and handle	A-B
R180	75	Hand lever. See R181	C-D
R181	1 75	Hand lever complete with connections and handle	C-D
R182	3 25	Axle, 99½ inch long, 20 or 26 tooth, 8 foot rake	C
R183	3 25	" 102½ inch long, " " "	D
R184	4 00	" 117 inch long, 24 tooth 10 foot rake	C
R185	4 00	" 126 inch long, 26 tooth 10 foot rake	C

Continued on page 116.

GRANGER RAKE—Continued

WROUGHT IRON AND STEEL PARTS—Continued

No.	Each.		Style of Rake.
R186	$4 00	Axle, 129 inches long, 26 tooth 10 foot rake	D
R187	4 25	" 142½ " " 30 " 12 "	C
R188	4 25	" 151 " " 32 " 12 "	C
R189	4 25	" 154¼ " " 32 " 12 "	D
R190	60	Truss rod, 24 tooth rake	C
R191	75	" " 30 "	C
R192	60	" " 26 " 10 foot rake	D
R193	75	" " 32 " 12 "	D
R194	50	Curved stripper post, 1892, right	C
R195	50	" " " " left	C
R196	20	Swing arm for stripper, hook on one end, 1892, R	C
R197	20	" " " " " " L	C
R198	20	Brace to stripper post, 1892	C
R199	1 25	Angle stripper bar with pins, 20 tooth rake	C-D
R200	1 25	" " " " 26 " 8 foot rake	D
R201	1 30	" " " " 24 " rake	C
R202	1 40	" " " " 30 " "	C
R203	1 30	" " " " 26 " 10 foot rake	D
R204	1 40	" " " " 32 " 12 "	D
R205	2 50	Heavy angle platform bar, 60 inch 8 foot rake	C-D
R206	3 25	" " " " 84 " 10 or 12 foot rake	C-D
R207	35	Brace to platform bar, 12 foot rake	C-D
R208	6 00	Head, 6 inch, castings riveted on (no axle) 20 tooth	C
R209	6 00	" " " " " 26 " 8 foot rake	C
R210	7 00	" " " " " 24 "	C
R211	7 00	" " " " " 26 " 10 foot rake	C
R212	8 00	" " " " " 30 "	C
R213	8 00	" " " " " 32 "	C
R214	6 00	" 5 inch, " " " 20 "	D
R215	6 00	" " " " " 26 " 8 foot rake	D
R216	5 75	" " " " " 26 " 10 "	D
R217	8 00	" " " " " 32 "	D
R218	35	Right or center hinge, platform to head	C-D
R219	35	Left hinge, platform to head	C-D
B220	2 00	Front platform rail	C-D
R221	60	Center bar with R153 attached	C-D
R222	60	Lever connection	C-D
R223	35	Stripper post	D
R224	20	Right brace to stripper post	D
R225	20	Left " " "	D
R226	25	Swing arm to stripper bar	D
R227	15	Hold up hook	C-D
R228	5 00	Steel wheel, 1¾ inch tire, 16 spokes	
R229	10	Small angle on main bar under seat spring	C-D
T471	1 50	Steel seat spring	C-D
T499	1 25	" "	
T700	20	Single tree eye bolts with nuts	C-D
T702	10	Clevis for double tree	D
T703	25	Brace to seat spring	C-D
T704	20	Shaft holder on frame rail	C-D
T705	10	Small angle on main angle bar for shaft end	C-D
T712	2 00	Right shaft (tubular)	C-D
T713	2 00	Left " "	C-D
T714	10	Hold back eye bolt on shafts	C-D
T723	60	Steel single tree	C-D

Continued on Page 117.

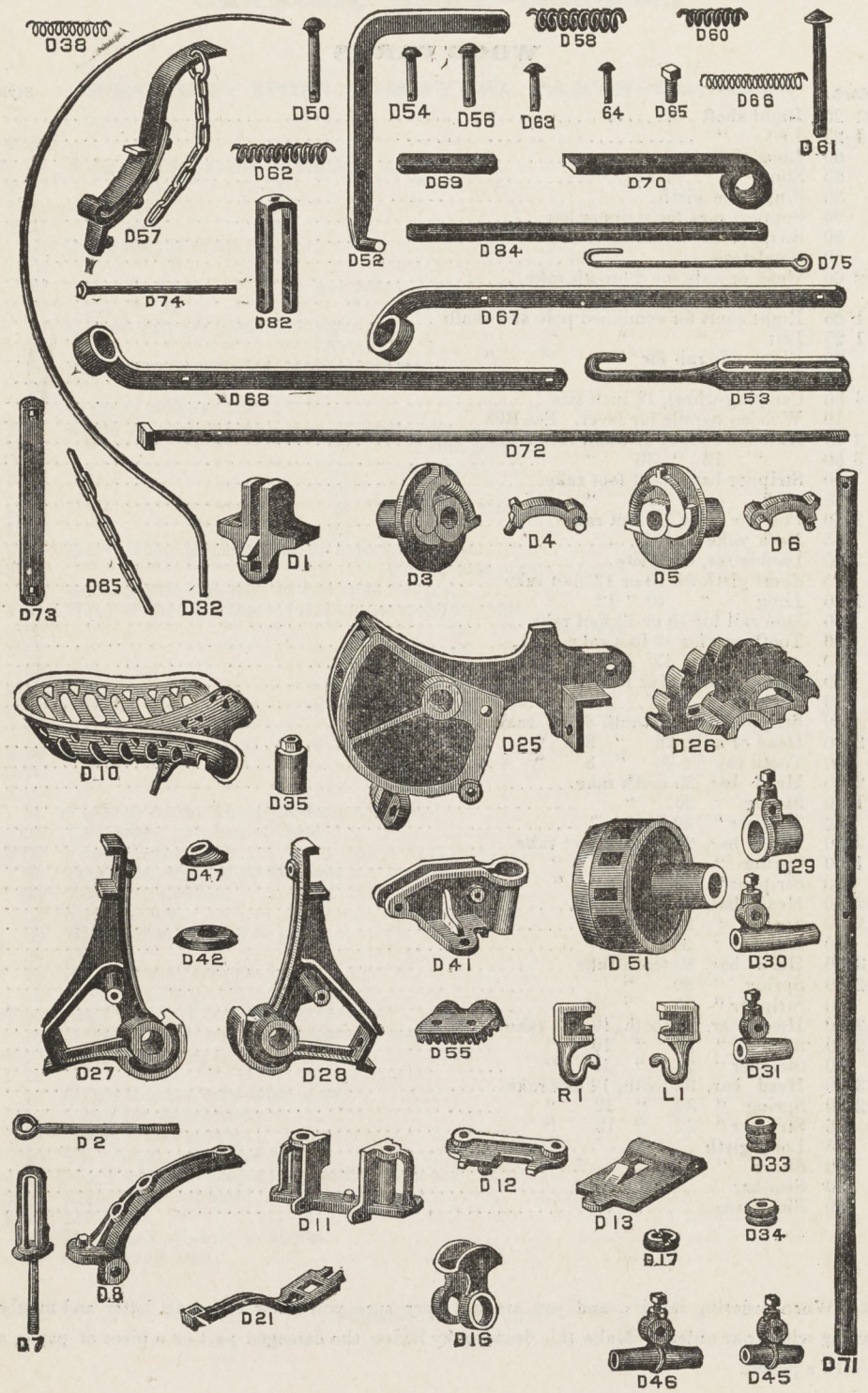
GRANGER RAKE—Continued

WOOD PARTS

No.	Each.		Style of Rake.
R100	$1 25	Right shaft	A
R101	1 25	Left "	A
R102	60	Long girth	A
R103	60	Short "	A
R104	30	Singletree girth	A
R105	30	Support post for stripper bar	A-B
R106	50	Stripper bar for 20 tooth rake	A
R107	50	Singletree	A
R108	2 00	Head or axle for 20 tooth rake	A
R109	50	Tooth cap for 20 tooth rake	A
R110	1 25	Right shaft for combined pole and shafts	A-B
R111	1 25	Left " " " "	A-B
R112	30	Right side rail for " " "	A-B
R113	30	Left " " " " "	A-B
R114	4 50	Carrying wheel, 1½ inch tire	A-B
R115	10	Wooden handle for lever. See R98	A
R116	2 75	Axle for 10 foot 24 tooth rake	A
R117	3 50	" 12 " 30 "	A
R118	50	Stripper bar for 10 foot rake	A
R119	60	" " 12 "	A
R120	2 50	Pole for 10 or 12 foot rakes	
R121	85	Neck yoke	
R122	2 00	Doubletree, complete	A
R123	75	Short girth for 10 or 12 foot rake	A
R124	1 00	Long " 10 " 12 "	A
R125	30	Side rail for 10 or 12 foot rake	A
R126	70	Tooth cap for 10 foot rake	A
R127	90	" " 12 "	A-B
R128	50	Felloe, one-half of full rim	A-B
R129	10	Spoke	A
R130	50	Stripper bar, 26 tooth 8 foot rake	A
R131	2 00	Head or axle, 26 " 8 "	A
R132	50	Tooth cap for 26 " 8 "	B
R133	2 00	Head bar, 20 tooth rake	B
R134	1 50	Spring " 20 "	B
R135	50	Stripper " 20 "	B
R136	2 00	Head bar, 26 tooth 8 foot rake	B
R137	1 50	Spring " 26 " 8 "	B
R138	50	Stripper " 26 " 8 "	B
R139	2 50	Head bar, 24 tooth rake	B
R140	2 00	Spring " 24 "	B
R141	50	Stripper " 24 "	B
R142	3 00	Head bar, 30 tooth rake	B
R143	2 50	Spring " 30 "	B
R144	60	Stripper " 30 "	B
R145	2 50	Head bar, 26 tooth, 10 foot rake	B
R146	2 00	Spring " 26 " 10 "	B
R147	60	Stripper " 26 " 10 "	B
R148	3 00	Head bar, 32 tooth, 12 foot rake	B
R149	2 50	Spring " 32 " 12 "	B
R250	75	Stripper " 32 " 12 "	B
R251	75	Long girth	B
R252	60	Short "	B
R253	30	Seat bar	B
R254	50	Singletree	B

NOTE.—When ordering repairs, and you are not very sure you know the exact letter and number, send a rough drawing with your order. Make this drawing by laying the damaged part on a piece of paper, and mark around it with a pencil.

HOLLINGSWORTH TIGER RAKE



HOLLINGSWORTH TIGER RAKE

CAST IRON PARTS

No.	Name.	Price.
D 1	Casting for hand lever	$0 50
D 3	Right ratchet plate, complete	75
D 4	" " pawl	10
D 5	Left " plate, complete	75
D 6	" " pawl	10
D 10	Seat	1 25
D 25	Hood	2 50
D 26	Half of dump wheel	60
D 27	Right rocker arm	1 25
D 28	Left "	1 25
D 29	Thimble for outside tooth	30
D 30	" center tooth, 20 tooth rake	25
D 31	" " 26 "	25
D 33	Rings between thimbles, 20 tooth rake	02
D 34	" " 26 "	02
D 35	Cap nut over coiled tooth spring	10
D 41	Hinge support for D39 and D40	25
D 42	Washer under head of thimble rod	02
D 45	Thimble, 26 tooth rake	40
D 46	" 20 "	40
D 47	Seat Washer	05
D 51	Hub of wood carrying wheel	1 25
D 55	Foot rest, on hand lever	10
D112	Cast hub of steel wheel	1 00

WROUGHT IRON AND STEEL PARTS

D 32	Steel tooth	$0 25
D 38	Pawl spring in carrying wheel	10
D 50	Axle linch pin	10
D 52	Hand lever, without wooden handle	1 00
D 53	Lever connection	60
D 54	" " pin	05
D 56	" casting "	05
D 57	Steel lifting latch, complete	1 00
D 58	Spring for lifting latch	10
D 59	Steel tedding latch, complete	1 00
D 60	Spring for tedding latch	10
D 61	Spring for lifting and tedding latches	15
D 62	Foot lever spring	15
D 63	Hinge pin for D39 and D40	05
D 64	Pin for lifting latch chain	05
D 65	Set screw	05
D 66	Tooth spring	10
D 67	Long hinge, R20 and 26 tooth rakes	75
D 68	" L20 and 26 "	75
D 69	Strengthening cap	10
D 70	Center hinge	50
D 71	Axle, 20 and 26 tooth rakes	2 50
D 72	Thimble rod, 20 and 26 tooth rakes	1 00
D 73	Single tree strap	10
D 74	" pin	10
D 75	Holding up hook on seat board	10
D 76	Bolts, per set	1 00
D 82	Double tree clevis	30
D 84	Tongue brace	20
D 85	Trip chain on lifting latch	15
D110	All steel carrying wheel	4 50

ADDITIONS

No.	Name.	Price.
D 86	Lever with D120B, attached, 1887 style.	$1 00
D120B	Foot rest on lever	20
D121B	Beveled washer on hand lever	05
D128	Wooden hand lever, 1887 style	50

IRON PARTS, 1888

D 87	Hood for latch springs	$0 60
D 88	Cap for D87	10
D 89	Trigger for D87	10
D 90	Tedding latch with hardened point	75
D 91	" " spring, long	20
D150	Spring washer on foot treadle	10
D151	Foot treadle	50
D152	Support on girth for foot treadle	25
D153	Foot rest on lever	15
D154	Steel spring in foot treadle	10
D155	Truss rod washer on cleaner bar R	15
D156	" " " L	15
D157	" post for 34 tooth rake	15
D159	Double tree pin for 34 tooth rake	15
D160	Lever hinge on girth for 34 tooth rake	50
D162	Truss rod for 34 tooth rake	50
D167	Steel axle for 34 tooth rake	5 00
D173	Steel wheel with hub put in	

IRON PARTS, 1889

T 57	Half of dump wheel, will replace T58	$0 60
T 58	Half of dump wheel	60
D 77	Stripper bar support on shaft	20
D 92	Right ratchet plate with pawl	60
D 93	Left " "	60
D 95	Thimble for 26 tooth rake,, with 7-16 in. set screw	25
D 96	Thimble for 20 tooth rake, with 7-16 in. set screw	25
D 97	Set screw, 7-16 in	05
D 98	Hub of carrying wheel	1 50
D135	Steel tedding latch	90
T174	Malleable iron hub for steel wheel	1 75
T175	Neck yoke drop on pole	30
D176	Swing rod for stripper bar, with nuts	60
D177	Cleaner pin in stripper bar	05
D178	Ratchet plate pin for D92 and D93	10

PARTS FOR RAKES WITHOUT TEDDER ATTACHMENT

D200	Cap for spring box	$0 15
D201	Spring box	50
D203	Space ring for 20 tooth rake	03
D204	" " 26 or 34 tooth rake	03
D205	Hood	2 25
D207	Thimble rod one-half lengoh for 20 and 26 tooth rakes	50
D208	Hood pin	10
D209	Thimble rod one-half length for 34 tooth rake	60
D210	Right long hinge for 34 tooth rake	1 00
D211	Left " " 34 "	1 00
D212	Center " 34 "	50

Continued on page 120.

HOLLINGSWORTH TIGER RAKE—Continued

IRON PARTS—1890

No.	Name.	Price.
D 86B	Iron lever with D153 attached	$1 00
T 95	Half dump wheel	60
T 121	Washer on lever	5
D 163	Truss rod for 32 tooth rake	60
D 167	Steel axle for 26 or 34 tooth rakes	5 00
D 168	" 32 tooth rake	5 50
T 212	Neck yoke drop for pole and shafts	40
T 214	Doubletree Thimble for pole and shafts	10
T 215	Washer at end of shafts, per dozen	25
D 260	Long hinge, R., for 32 tooth rake	1 25
D 261	" L., " "	1 25
D 262	Thimble rod, 32 tooth rake	65
D 263	Eye bolt for hold up hook	10
D 264	Lever connection	90
D 266	Neck yoke eye bolt	15
D 270	Key in dump wheel	5
D1001	Dump wheel wrench	30

MALLEABLE IRON PARTS

D 2	Spring eye bolt	$0 10
D 7	Staple bolt	10
D 8	Clip, riveted on rake lifting latch	20
D 9	Clip, riveted on steel tedding latch	25
D 11	Hood for latch springs	40
D 12	Cap for D11	10
D 13	Hinge door back of D11	10
D 14	Rocker frame brace, 20 tooth rake	40
D 15	" " 26 tooth rake	40
D 16	Cleaner stick rest on axle	20
D 17	Small washer on thimble rod	5
D 20	Tedding latch with hardened hook	75
D 21	Wrench	25
D 39	Foot treadle	40
D 40	Rear trip lever	20
D 44	Shaft loop	5
R 1	Right singletree hook	10
L 1	Left " "	10
D111	Malleable nut on steel wheel	25
D113	Doubletree pin	15
D293	Tongue hook for neck yoke	15
D400	Doubletree hammer strap	20
D550	Neck yoke eye bolt with nut	15

WOOD PARTS

D100	Carrying wheel	$4 00
D101	Right shaft	1 25
D102	Left "	1 25
D103	Seat board	50
D104	Singletree girth	50
D105	Short girth	50
D106	Long "	75
D107	Cleaner stick	20
D108	Cleaner bar, 20 tooth rake	1 00
D109	" 26 tooth "	1 00
D114	Staple bar, 20 tooth rake	75
D115	" 26 tooth "	75
D116	Spring bar, 20 tooth rake	1 00

WOOD PARTS—Continued

No.	Name.	Price.
D117	Spring bar, 26 tooth rake	$1 00
D118	Lever handle	50
D119	Singletree with hooks	50
D120	Doubletree only	50
D121	" complete	2 00
D122	Neck yoke complete	50
D123	Tongue, without side rails	2 00
D124	Right side rail, used with tongue	30
D125	Left " " "	30
D126	Felloe, ½ of full rim	50
D127	Spoke	15

WOOD PARTS FOR RAKES WITHOUT TEDDER ATTACHMENT

D213	Spring bar for 20 tooth rake	$1 00
D214	Staple " " "	75
D215	Cleaner " " "	1 00
D216	Spring bar for 26 tooth rake	1 00
D217	Staple " " "	75
D218	Cleaner " " "	1 00
D222	Carrying wheel 1½ inch tire	4 50
D223	Felloe " "	50
D224	Long lever handle	60
D225	Pole for heavy platform	2 50
D226	Short girth for heavy platform	75
D227	Long " " "	90
D228	Right side rail for heavy platform	40
D229	Left " " "	40
D230	Center rail for heavy platform	50
D231	Cleaner bar for 34 tooth rake	1 75
D232	Spring " "	2 25
D233	Staple " "	1 00

WOOD PARTS

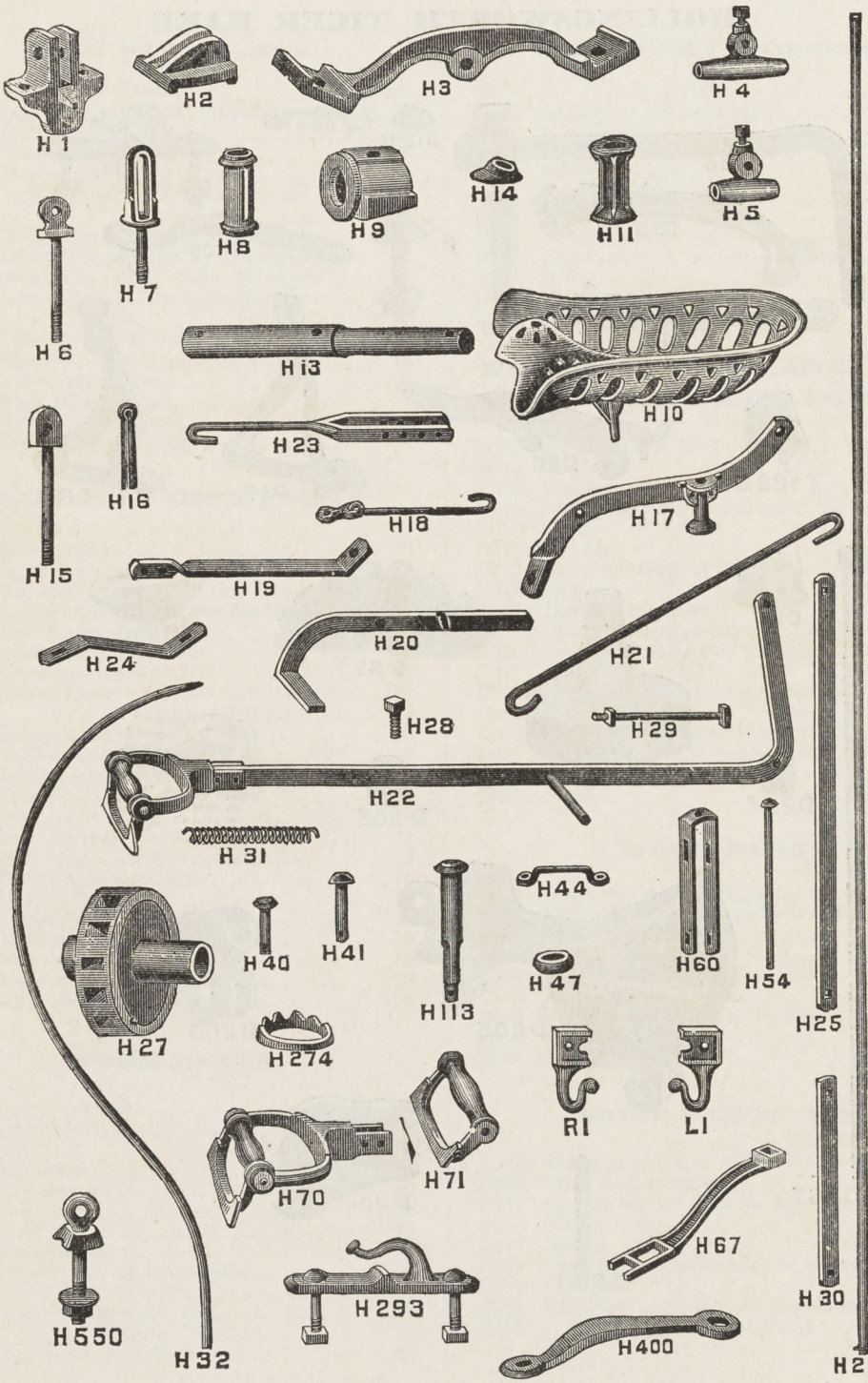
D236	Support arm for stripper bar	$0 45
D237	Rear shaft bar, for overhead cleaner	90
D238	Stripper bar, 20 tooth	50
D239	" 26 tooth	50
D240	Right shaft for overhead cleaner	1 25
D242	Left " " "	1 25
D243	Cleaner bar, 26 tooth, 10½ foot rake	1 75
D244	Staple " " "	1 00
D245	Spring " " "	1 75

WOOD PARTS—1890

D128B	Lever handle used with D86B lever	$0 50
D129	Spool under singletree	10
D246	Cleaner bar for 32 tooth rake	2 50
D247	Staple " " "	1 25
D248	Spring " " "	2 00
D249	Shaft for combined pole and shafts, R	1 00
D250	" " " " L	1 00
D251	Singletree girth for pole and shafts	50
D252	" for pole and shafts	50

HOLLINGSWORTH TIGER RAKE

NEW HOLLINGSWORTH RAKE



NEW HOLLINGSWORTH SULKY HAY RAKE

IRON AND STEEL PARTS

No.	Name.	Price.
H 1	Casting for hand lever	$0 60
H 2	" foot "	45
H 3	Rocker arm	90
H 4	Thimble, for 20 tooth rake	40
H 5	" 27 "	40
H 6	Malleable iron axle eye bolt	15
H 7	" staple bolt	10
H 8	Spring case	10
H 9	Spindle box, or collar	30
H 10	Seat	1 25
H 11	End post, between spring bars	10
H 12	Bolts, per set	1 00
H 13	Spindle, wrought iron	1 00
H 14	Cast seat washer	05
H 15	Wrought iron spindle eye bolt	30
H 16	Spindle, or axle, linch pin	05
H 17	Center iron on rocker frame, connected hand lever	75
H 18	Hold up hook, with plate	10
H 19	Rocker frame brace, connected with foot lever	25
H 20	Foot lever	40
H 21	" connection hook	15
H 22	Hand lever	1 75
H 23	" connection	60
H 24	Wrought iron platform brace	20
H 25	" axle brace, to shafts	10
H 26	Thimble rod	75
H 27	Hub (of carrying wheel)	1 25
H 28	Set screw	05
H 29	Bolt for foot lever casting	05
H 30	Singletree strap	10
H 31	Spring	05
H 32	Steel tooth, tempered in oil	25
H 40	Lever connection pin	05
H 41	Hand lever connection pin	05
H 44	Shaft loop	05
H 45	Right singletree hook, with ferrule head	10
H 46	Left " " " "	10
R 1	Right " " with flat head	10
L 1	Left " " " "	10
H 47	Cast ring between thimbles	02
H 54	Singletree pin	10
H 60	Doubletree clevis	30
H 67	Malleable iron wrench	25
H 70	" " handle, new style, complete, with swing	50
H 71	Malleable iron swing, in handle	20
H 72	Hub, of all iron carrying wheel	1 50
H 80	All iron carrying wheel	4 50
H127	Doubletree stem washer, with bolt	15
H274	Spindle, or axle, washer	05
H293	Tongue hook, for neck yoke	15

IRON PARTS, 1888

H 75	Swing rod for stripper bar with nuts	$0 55
H 76	Cleaner pin in stripper bar	05
H 77	Socket for stripper bar and on shaft	20
H100	Hub of steel wheel	1 00
H101	Steel wheel, complete. with hub put in.	4 50
H111	Nut on hub of steel wheel	25
H113	Doubletree pin	15
H400	" strap	20
H550	Neck yoke eye bolt with nut	20

IRON PARTS, 1889

No.	Name.	Price.
H 95	Thimble for 27 tooth rake, with 7-16 in. set screw	$0 40
H 96	Thimble for 20 tooth rake, with 7-16 in. set screws	40
H 97	Set screw, 7-16 in	05
H102	Thimble rod, 12 foot rake	1 00
H103	Platform brace, 12 foot rake	50
H104	Truss rod, 12 foot rake, with nuts	60
H105	Thimble rod, 10½ foot rake	85
H106	Platform brace, 10½ foot rake	40
H107	Truss rod, 10½ " with nuts	50
H114	" plate on end of axle	10
H115	" " side rail	10
H116	Foot lever hinge	20
H117	Support for stripper bar arms, heavy platform	25
H120	Hub for carrying wheel	1 50
H159	Doubletree pin in heavy poles	15
H175	Neck yoke drop for plain pole	30
H212	Neck Yoke drop for comb'd pole and shafts	40
H214	Doubletree thimble for combined pole and shafts	10
H215	Washer at end of shafts, per dozen	25

IRON PARTS, 1891

R 56	Washer on stripper post	05
H108	Brace for "	10
H109	Right stripper swing rod	30
H110	Left " "	30
H112	Cleaner pin	05
H118	Cleaner yoke	10
H150	Axle brace for h'vy platform, 10½ and 12 ft.	20

WOOD PARTS

H 33	Carrying wheel	$4 50
H 34	Axle, for 20 tooth rake, without irons	1 25
H 35	" 20 tooth rake, complete, with spindles and eye bolts	4 50
H 36	Axle, for 27 tooth rake, without irons	1 25
H 37	" 27 " complete, with spindles and eye bolts	4 50
H 38	Right shaft	1 50
H 39	Left "	1 50
H 42	Long girth	75
H 43	Short "	50
H 48	Singletree girth	30
H 49	" with hooks	50
H 50	Cleaner bar, for 20 tooth rake	80
H 51	" " 27 "	80
H 52	Lower spring bar, for 20 tooth rake	75
H 53	" " 27 "	75
H 55	Upper spring " 20 "	50
H 56	" " 27 "	50
H 57	Staple " 20 "	75
H 58	" " 27 "	75
H 59	Cleaner stick	20
H 61	Tongue	2 00
H 62	Right side rail, used with tongue	30
H 63	Left " " "	30
H 64	Doubletree, without irons or singletrees.	50
H 65	" complete, with irons and singletrees	2 00
H 68	Seat board	50
H 80	Felloe, ½ of full rim	50
H 81	Spoke	15

Continued on page 124.

NEW HOLLINGSWORTH SULKY HAY RAKE—Continued

WOOD PARTS, 1888

No.		Each.
H 82	Rear girth for rake with overhead cleaner	$0 75
H 83	Singletree girth for rake with overhead cleaner	30
H 84	Stripper bar for 20 tooth rake	50
H 85	" " 27 "	50
H 86	Support arm for stripper bar	45
H 87	Right shaft for rake with overhead cleaner	1 25
H 88	Left shaft for rake with overhead cleaner	1 25

WOOD PARTS, 1889

H121	Pole for heavy platform	$2 50
H122	Short girth for heavy platform	75
H123	Long " " "	85
H124	Right side rail " "	40
H125	Left " " "	40
H126	Stripper bar, 12 foot rake	75
H128	Axle, without irons, 12 foot rake	2 50
H129	Carrying wheel, 1½ inch tire	4 50

WOOD PARTS, 1889—Cont'd

No.		Each.
H130	Felloe for 1½ inch tire	$0 60
H131	Lower spring bar for 10½ foot rake	1 00
H132	" " " 12 "	1 50
H133	Upper spring cap for 10½ foot rake	75
H134	" " " 12 "	90
H135	Staple bar, 10½ foot rake	1 00
H136	" 12 "	1 50
H137	Stripper bar, 10½ foot rake	60
H138	Axle, without irons, 10½ foot rake	2 00
H139	Right shaft for combined pole and shafts	1 00
H140	Left " " "	1 00
H141	Singletree for " " "	50

WOOD PARTS, 1891

H 91	Support post for stripper bar	$0 40
H 92	Stripper bar for 20 tooth rake	50
H 93	" " 27 "	50
H 94	Right shaft	1 25
H 98	Left "	1 25

FAVORITE SULKY RAKE

IRON AND STEEL PARTS

No.		Price.
F 1	Center casting, on old style axle	each, $0 50
F 2	Lever guide	" 20
F 3	" casting	" 50
F 4	Cast hinge, on old style axle	" 25
F 5	Right axle arm or spindle	" 1 25
F 6	Left " "	" 1 25
F 7	Hand lever	" 1 75
F 8	" connection	" 60
F 9	Wrought iron hinge	" 40
F 10	Seat	" 1 25
F 11	Wrought iron platform brace	" 15
F 12	Bolts, per set	" 1 00
F 13	Hub of carrying wheel	" 1 25
F 14	Cast seat washer	" 05
F 15	Hinge pin	" 10
F 16	Axle, or spindle, linch pin	" 05
F 33	Cast hinge on new style axle	" 30
F 34	Center casting on " "	" 40
F 35	Malleable iron tooth holder	" 10
F 36	" " " guide loop	" 05
F 37	" " wrench	" 25
F 40	Lever casting pin	" 05
F 41	" connection pin	" 05
F 44	Shaft loop	" 05
F 45	Right singletree hook, ferrule head	" 10
F 46	Left " " "	" 10
R 1	Right singletree hook, flat head	" 10
L 1	Left " " "	" 10
F 47	Singletree strap	" 10
F 49	Hold up hook, on seat board	" 10
F 54	Singletree pin	" 10
F 55	Steel tooth, tempered in oil, old style	" 25
F 56	" " " new style, with coil	" 30
F 60	Doubletree clevis	" 30
H 70	Malleable iron handle, new style, complete, with swing	" 50
H 71	Malleable iron swing, in handle	" 20
F127	Doubletree stem washer, with bolt	" 15
F274	Axle, or spindle, washer	" 05
F293	Tongue hook, for neck yoke	" 15

WOOD PARTS

F 17	Carrying wheel	each, $4 00
F 18	Axle, or rake head, without irons or tooth cap	" 2 00

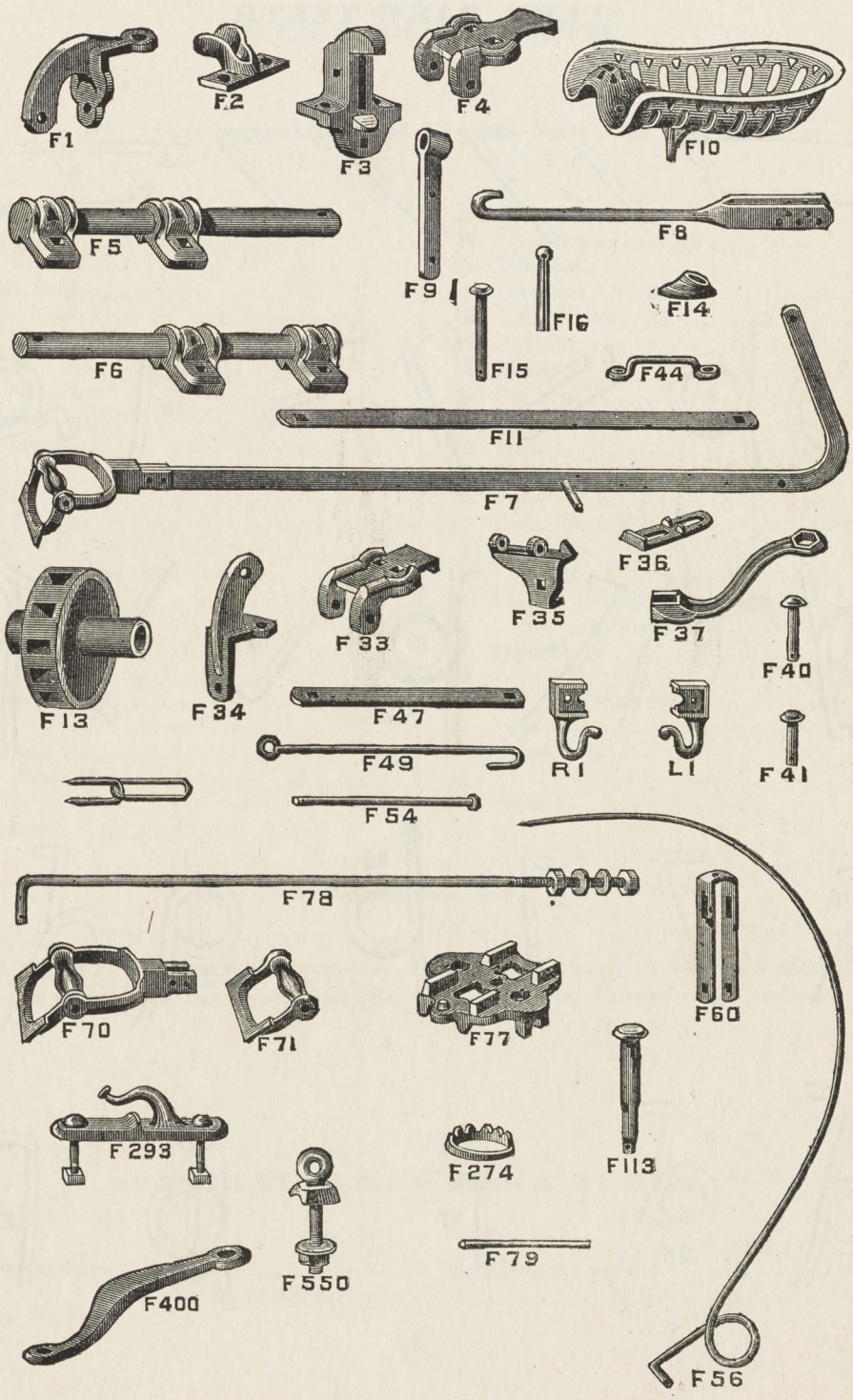
WOOD PARTS—Continued

No.		Price.
F 19	Axle, or rake head, with irons and tooth cap, complete	each, $6 00
F 20	Axle, or tooth, cap	" 40
F 21	Seat board	" 50
F 22	Right shaft	" 1 25
F 23	Left "	" 1 25
F 24	Long girth	" 75
F 25	Short "	" 50
F 26	Singletree girth	" 30
F 27	" with hooks	" 50
F 28	Cleaner bar, for old style rake	" 90
F 29	" sticks	" 15
F 30	Tongue	" 2 00
F 31	Right side rail, used with tongue	" 30
F 32	Left " " "	" 30
F 64	Doubletree, without irons or singletrees	" 50
F 65	Doubletree complete, with irons and singletrees	" 2 00
F 66	Neck yoke, complete	" 50
F 67	Axle, or rake head, new style, without irons	" 2 00
F 68	Axle, or rake head, new style, with irons	" 6 00
F 69	Cleaner bar, for new style rake	" 90
F 80	Felloe, ½ of full rim	" 50
F 81	Spoke	" 15
F 82	Rear girth	75
F 83	Support arm for stripper bar	40
F 84	Stripper bar, for 20 tooth rake	50
F 85	" " " 24 "	50
F 86	" " " 28 "	60
F 87	24 tooth axle, or rake head, new style, without irons	2 00
F 88	24 tooth axle, or rake head, new style, with irons	6 50
F 89	28 tooth axle, or rake head, new style, without irons	2 00
F 90	28 tooth axle, or rake head, new style, with irons	7 00

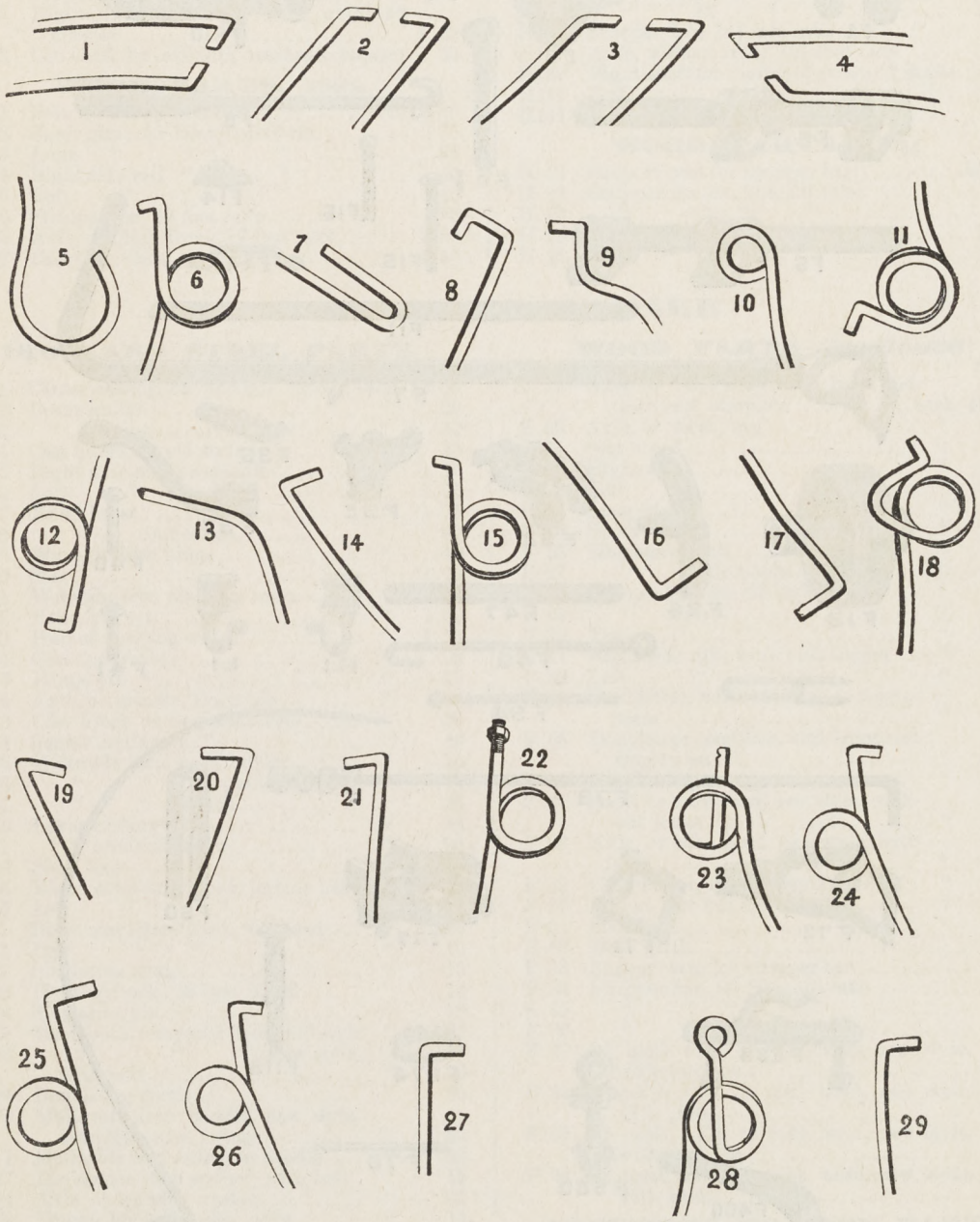
ADDITIONS TO IRON PARTS

F 77	Support for stripper bar arms	each, $0 20
F 78	Swing rod for stripper bar, with nuts	" 50
F 79	Cleaner pin, in stripping bar	" 05
F 38	Center casting for lock lever, 1890	" 50
F 39	Lock lever used with F38, 1890	" 1 50

FAVORITE RAKE



SULKY RAKE TEETH



SULKY RAKE TEETH

When ordering give name of rake and state if tooth wanted is right or left hand.

13 Bonanza
17 Buckeye, drop
22 " coil
8 Chieftain, drop
18 " coil
23 Coate's lock lever
25 Deere, self dump
23 " hand dump
13 " Hollingsworth
27 Daisy, Gale
23 Famous
24 Favorite
12 Furst & Bradley, No. 7
14 " " No. 9
23 " " No. 13
25 " " coil
23 Gale
25 Gazelle
9 Gem
21 Golden farmer, N.S.
21 " O.S.
15 Granger, coil
1 " drop
25 Hay King
13 Hollingsworth
28 Hoosier
23 Little Reuben
22 Lift over
7 Long and Allstetter
16 Osborne, drop
5 Paddock
4 Reindeer
4 Red Bird
11 Reliable
14 Royal
7 Standard
25 Star
10 Taylor No. 1, O.S
4 " No. 1, N.S
2 " No. 4
14 Thomas, hand dump
14 " self dump
1 Tiger, angle
26 " coil
13 " Hollingsworth
25 Veteran
15 Woods, drop
16 " coil
26 Whiteley

Price, 25 Cents Each.

The cuts on page 126 represent the different styles of rake teeth where they are attached to rake. If you are not positive as to name of rake, send a pencil drawing of tooth, showing exact size and shape.

REVOLVING HAY RAKE TEETH

1 inch square, per dozen $1 50
1¼ inch square, per dozen $2 00
1⅛ inch square, per dozen $1 75

PITTS ENGINE

When ordering Be Sure to give the number and a full description of the broken or worn-out piece that you want to replace.

When "Right Hand" or "Left Hand" is mentioned in this catalogue, it means when standing at the fire-box end of the Engine and looking toward the fro t.

No.	Name.	Price.
E E	Latch hook	$ 0 20
E 0	Center bracket for heater	1 25
E 1	Engine frame or heater	30 00
E 1 T	Eccentric block	4 00
E 2	Cylinder, 7x10, without heads or S. chest cover	42 50
E 2 T	Eccentric block	4 00
E 3	Slide valve for 7x10	3 00
E 3 T	Cap for bevel pinion	50
E 4	Gland for steam chest	1 00
E 4 T	Worm wheel	1 50
E 5	Gland for cylinder head	1 00
E 5 T	Holder on band wheel	50
E 6	Pump cylinder	5 00
E 6 T	Box for steering shaft	1 00
E 7	Gland for pump	1 00
E 7 T	Worm screw	1 00
E 8	Front cylinder head	6 00
E 9	Rear cylinder head	4 00
E 9 T	Drum for steering chain	2 00
E10	Cross head	7 00
E11	Piston head	8 00
E12	Cylinder packing rings, 7x10	1 25
E12 T	Fork to hold pinion in gear	75
E13	Yoke for slide bars	4 00
E14	Steel slide	5 00
E15	Guide for valve rod	2 00
E16	Valve rod, steel	2 00
E17	Valve steam flanges, brass	1 50
E$\frac{18}{19}$	Eccentric straps	4 00
E20	Eccentric block and G. pulley	5 00
E20 T	Front traction wheel	35 00
E21 T	Rear " " R. H	50 00
E22	Brass block for eccentric rod	1 00
E22 T	Rear traction wheel, L. H	50 00
E24	Connecting rod	10 00
E25	Strap for connecting rod	2 00
E26	Gib for above	1 00
E27	Key for above	75
E28	Wrist pin box	4 00
E29	Cross head box	4 00
E30	Pillow block	4 00
E31	Cap for pillow block	1 50
E32	Top part of main shaft box for $2\frac{3}{8}$ shaft	3 00
E32½	Bottom part of main shaft box	3 00
E33	Side gib to do	2 00
E34	Face crank wheel	6 00
E36	Main shaft	12 00
E37	Lower ring to smoke stack	2 00
E38	Base to smoke stack	3 00
E39	Middle rest for grate bar	1 25
E40	¾ Globe valve	1 20
E41	Pillow block bracket	5 00
E42	Water gauge cock	90
E43	Upper valve of water gauge	$ 1 10
E44	Lower " " "	1 10
E45	Whistle, $2\frac{1}{2}$ inch	4 50
E46	¾ inch check valve	2 10
E47	$1\frac{1}{4}$ inch blow-off cock	1 80
E48	Cylinder oiler	2 50
E49	½ inch check valve	1 60
E50	½ " angle valve	90
E51	½ " " "	75
E54	Brass oil cup	60
E55	" "	30
E57	½ inch globe valve	85
E58	Drip cock on steam chest	50
E59	Coupling nut to heater, with nut	1 65
E60	Front rest for grate bar	1 00
E61	Lower section to pump with valves	3 50
E62	Drip cock on pipe from heater	60
E64	Back rest for grate bar	1 00
E65	Front " "	1 00
E66	Back " "	1 00
E67	Middle " "	1 50
E68	Rest plate on front axle	6 00
E69	¾ globe valve	1 35
E71	Frame for smoke box door	3 00
E72	Door for smoke box	2 00
E73	Rest for driver's seat	2 50
E74	Ash box	2 00
E75	Driver's seat	1 50
E76	Ash box door	1 50
E77	Ash box end, right hand	50
E78	" " left "	50
E79	Band wheel, 44x8½, $2\frac{3}{8}$ bore	30 00
E79 T	" " " " "	30 00
E80	Exhaust nozzle	1 25
E81	Support for front of boiler	4 00
E82 R	Bracket and rear axle	8 00
E82 L	" " "	8 00
E82 T	" " "	12 00
E83	Cover to steam chest, 7x10	2 50
E84	Drip trough for water gauge	50
E85 R	Bracket for brake shaft	1 50
E86 L	" " " "	1 50
E87	Cap for box casting	25
E88	Lever guide bracket for brake	1 75
E89	Governor stand	2 50
E90	Cylinder, 6½x10, without heads or S. chest cover	40 00
E90 T	Counter-shaft bracket, R. H	6 00
E91	Side valve for 6½x10 cylinder	2 75
E91 T	Counter-shaft bracket, L. H	6 00
E92	Cover to steam chest for 6½x10	2 00
E92 T	Cap to counter-shaft bracket	2 00
E93	Front head for 6½x10 cylinder	5 00

Continued on Page 129.

PITTS ENGINE—Continued

No.	Name.	Price.
E 93 T	Cap to steering shaft box	$1 00
E 94	Rear head for 6½x10 cylinder	3 50
E 94 T	Spur pinion, 2⅛ bore	4 00
E 95	Piston head and rod for 6½x10	6 00
E 95 T	Main spur wheel, 3⅜½ bore	22 50
E 96	Packing rings for 6½x10 cylinder	1 00
E 96 T	Spur pinion with clutch, 2⅛ bore	5 00
E 97	Air chamber	2 25
E 97 T	Inside bevel wheel, 2⅛ bore	6 00
E 98	Cylinder, 8x10, without heads or S. chest cover	45 00
E 98 T	Outside bevel wheel, 2⅛ bore	6 00
E 99	Slide valve for 8x10 cylinder	3 25
E 99 T	Bevel pinions (steel)	2 00
E100	Steam chest cover for 8x10 cylinder	3 00
E100 T	Compensation spur wheel, without pinions or pins, 2⅛ bore	15 00
E101	Piston head and steel rod, 8x10	10 00
E102	Rear cylinder head, 8x10	4 50
E102 T	Intermediate spur wheel, 2⅛ bore	10 00
E103	Front head for 8x10 cylinder	7 00
E103 T	Bracket with stud and nut	8 00
E104	Packing rings for 8x10 cylinder	1 50
E104 T	Spur pinion on main shaft, 2⅜ bore	4 00
E105	Governor stand	3 00
E106	" pulley	2 00
E107 R	Bracket and rear axle	8 00
E107 L	" "	8 00
E108	Drum for chain on cross shaft	2 00
E109	Reverse lever stand	3 00
E110	" "	3 50
E111	Throttle valve chest	4 00
E112	Frame for smoke box door	3 50
E113	Smoke box door	3 00
E114	Ash box	2 25
E115	" door	2 00
E116	" right hand	60
E117	" end, left hand	60
E118	Eccentric strap	4 00
E119	Double eccentric block	5 00
E120	Throttle valve chest	4 00
E121	Bracket for slide casting	3 00
E122	½ inch angle valve	1 15
E123	Cylinder cock	90
E124	Slide casting for valve stem	3 00
E125	Base for smoke stack	3 00
E126	Casting to hold draw loop	2 00
E127	Quadrant	1 75
E128	Side piece for quadrant	1 00
E129	Quadrant	2 00
E130	Spur pinion, 2⅜ bore	4 00
E131	Frame for smoke box door	3 00
E132	Door to smoke box	3 00
E133	Spur pinion with clutch, 2⅜ bore	5 00
E134	Band wheel, 40x7½	28 00
E134 T	" "	28 00
E135	Guide for valve rod	2 00
E136	Inside bevel wheel, 2⅜ bore	6 00
E137	Outside " "	6 00
E138	Compensation spur wheel, without pinions or pins, 2⅜ bore	15 00
E139	Latch handle	$0 30
E140	Bracket for platform rod	75
E141	Support for steering rod	50
E142	Steering wheel	1 50
E146	Heater frame	33 00
E147	Bracket for pillow block	6 00
E148	Cylinder, 6½x9, without heads or S. chest cover	40 00
E149	Guide for valve rod	2 00
E150	Front cylinder head, 6½x9	5 00
E151	Rear " "	3 50
E152	Piston head and rod, 6½x9	6 00
E153	Heater frame	25 00
E154	Pump cylinder	4 00
E155	Packing gland to pump	1 00
E156	Pillow block	4 00
E157	Cap for pillow block	1 25
E158	Bracket for pillow block	4 00
E159	Yoke for slide bars	3 50
E160	Cross head	7 00
E161	Face crank wheel	5 00
E162	Eccentric block and pulley	4 00
E163	Eccentric strap	4 00
E164	Band wheel, 36x6½	25 00
E165	Bracket and rear axle, R. H	7 00
E166	" " " L. H	7 00
E167	Rest plate for boiler	5 00
E168	Support for front of boiler	3 50
E169	Frame for smoke box door	3 00
E170	Door for smoke box	2 00
E171	Base for smoke stack	3 00
E172	Lower ring on smoke stack	1 50
E173	Connecting ring for stack	1 00
E174	Upper ring for smoke stack	75
E175	Slide valve, 6½x9	2 75
E176	Counter shaft bracket, R. H	6 00
E177	" " L. H	6 00
E178	" " R. H	6 00
E179	" " L. H	6 00
E180	Intermediate spur wheel, 2⅛ bore	12 00
E181	Bracket for stud attachment	3 00
E182	Bracket and rear axle	12 00
E183	Set screw wrench	25
E184	Grate bar	2 00
E185	Frame for smoke box door	3 50
E186	Hub for wood wheel	7 50
E187	Middle rest for grate bar	1 25
E188	Front or back rest	1 00
E189	Grate bar	1 75
E190	Exhaust nozzle	1 50
E191	Ash box	2 25
E192	" door	2 00
E193	" end, right hand	60
E194	" " left hand	60
E195	Connecting rod	9 00
E196	Strap for connecting rod	2 00
E197	Gib for above	1 00
E198	Key for above	75

Continued on page 130

PITTS ENGINE—Continued

No.	Name.	Price.
E199	Wrist pin box	$ 4 00
E200	Cross head box	4 00
E201	Upper part main shaft box for $2\frac{1}{16}$ shaft	3 00
E201½	Lower " "	3 00
E202	Side gib for above	2 00
E203	Governor pulley	2 00
E204	Eccentric block and pulley	5 00
E205	Cover to steam chest, 6½x9	2 00
E206	Steel slide for cross head	4 50
E207	Main shaft, steel	10 00
E208	" "	14 00
E209	Ash box	1 75
E210	" door	1 50
E211	Grate bar	1 50
E212	Middle rest for grate bar	1 00
E213	Front or back rest	75
E214	Frame for smoke box door	2 75
E215	Door for smoke box	2 00
E216	Draw loop casting	2 00
E217	Frame for smoke box door	3 00
E218	Door " "	3 00
E219	Stud attachment	5 00
E220	Engine frame	33 00
E221	Ash box	2 00
E222	" door	1 50
E223	" end, right	60
E224	" " left	60
E225	Base for smoke stack	4 00
E226	Angle door for smoke box	6 00
E227	Bottom piece for angle door	2 75
E228	Frame for fire box door	3 00
E229	Fire box door for straw	2 50
E232	Lower ring on smoke stack	2 00
E233	Connecting ring on stack	1 25
E234	Top ring on smoke stack	2 00
E235	Hinged ring for "	1 50
E236	Standard for water gauge	3 00
E237	Support for front of boiler	4 00
E238	Door for fire box	2 50
E243	Mud claw, right hand	50
E244	" left "	50
E245	Top ring for smoke stack	75
E249	Rest for grate bar	1 00
E250	Front wheel for plain engine	25 00
E251	Rear " "	30 00
E252	Pillow block bracket	6 00
E253	Frame for smoke box door	5 00
E254	Door " "	3 00
E255	Lining " "	2 75
E257	Slide valve, 5½x9	2 50
E258	Cylinder, 5½x9, without heads or steam chest cover	37 50
E259	Front cylinder head, 5½x9	5 00
E260	Rear " " 5½x9	3 00
E261	Steam chest cover, 5½x9	2 00
E262	Piston head and rod, 5½x9	6 00
E263	Air cock, on pump, etc	35
E264	Governor stand	2 50
E265	Upper ring on smoke stack	75
E266	Cylinder packing ring, 5½x9	1 00
E267	Middle rest for grate bar	$ 1 00
E268	Grate bar	1 25
E269	Gland for front cylinder head	1 00
E270	Eccentric block and g. pulley	5 00
E271	Base for smoke stack	4 00
E272	Bottom ring on smoke stack	2 00
E273	Top " "	75
E274	Front rest for grate bar	1 00
E275	Middle " "	1 00
E276	Cylinder, 8¼x10, without heads or steam chest cover	45 00
E277	Slide valve, 8¼x10	3 25
E278	Front cylinder head, 8¼x10	6 00
E279	Rear " " 8¼x10	4 50
E280	Steam chest cover, 8¼x10	3 00
E281	Governor stand	3 00
E282	Slide casting bracket	3 00
E283	Ash pan	2 00
E284	" door	1 50
E285	Frame for smoke box door	3 50
E286	Connecting ring on smoke stack	1 25
E287	Top " "	75
E288	Cylinder, 7⅜x10, without heads or steam chest cover	42 50
E289	Front cylinder head, 7⅜x10	6 00
E290	Rear " " 7⅜x10	4 00
E291	Piston head and rod, 7⅜x10	8 00
E292	Slide valve for 7⅜x10	3 00
E293	Packing ring, 7⅜x10 cylinder	1 25
E294	Base for smoke stack	4 00
E295	Bottom ring for smoke stack	2 00
E296	Steam chest cover	2 50
E297	Top piece of cylinder lagging	1 00
E298	Piston head and rod	10 00
E299	Middle rest for grate bar	1 00
E300	Front or rear rests for grates	1 00
E301	Grate bar	1 75
E302	Exhaust nozzle	1 50
E303	Frame for smoke box door	3 00
E304	Top piece of cylinder lagging	1 00
E305	Center " " "	1 50
E306	Bottom " " "	1 25
E307	Slide valve	3 25
E308	"	3 00
E309	Support for valve stem	2 00
E310	" boiler	4 00
E311	Drum for steering shaft	2 00
E314	Frame for smoke box door	5 00
E315	Cylinder packing ring for 8¼x10	1 50
E316	Lever guide for brake	1 75
E317	Reverse lever, complete	6 00
E318	Pin for reverse lever	2 00
E324	Crank for throttle valve stem	3 00
E326	Heater or engine frame	50 00
E327	Cylinder, 8¾x12, without heads or steam chest cover	60 00
E328	Front head for 8¾x12 cylinder	8 00
E329	Rear " 8¾x12 "	6 00
E330	Slide valve for 8¾x12 "	5 00

Continued on page 131.

PITTS ENGINE—Continued

No.	Name.	Price.
E331	Cover to steam chest for 8¾x12, 17 H. P.	$5 00
E332	Yoke for slide bars	5 00
E333	Upper slide bar	4 00
E334	Lower "	4 00
E335	Cap for pillow block	3 00
E336	" " "	5 00
E337	Eccentric rod	4 00
E338	Bracket for pillow block	8 00
E339	Piston head for 8¾x12 cylinder	12 00
E340	Packing ring " " "	2 00
E341	Face crank wheel	12 00
E342	Band wheel, 48x10¼, 2¾ bore	50 00
E343	Cross head, babbitted	10 00
E344	Pillow block, "	8 00
E345	Eccentric block, with pulley	6 00
E346	" strap, with bolts	5 00
E347	Bracket, with rear axle	12 00
E348	Support for front of boiler	4 50
E349	Brass bush for eccentric rod	1 25
E351	Base for smokestack	3 00
E352	Lower ring for smokestack	1 50
E353	Frame for smoke box door	3 00
E358	" " "	5 00
E359	Base for smokestack	5 00
E360	Bracket for center of heater	2 00
E361	Connecting rod	12 00
E362	Strap for connecting rod	3 00
E363	Box " " "	5 00
E364	" " " "	5 00
E365	Lower ring on smokestack	2 25
E366	Front or rear rest for grates	1 00
E367	Middle rest for grate bar	1 50
E368	Grate bar for fire box	2 25
E369	Ash box	2 75
E370	Door for ash box	2 25
E371	Top piece of cylinder lagging	1 25
E372	Center " " "	1 75
E373	Bottom " " "	1 75
E374	Cap for pillow block	1 50
E375	Holder hinged on pillow cap	75
E376	¾ inch brass plug	30
E377	1½ inch globe valve	3 00
E378	2 " "	4 50
E379	1½ inch angle valve	3 00
E380	2 " "	4 50
E381	Upper valve for water gauge	1 10
E382	Lower " "	1 10
E383	Air chamber for pump	2 60
E384	Lower section of pump, with valves	4 00
E385	¾ inch angle valve	1 65
E386	" "	1 20
E387	1 inch check valve with ¾ openings	1 60
E388	2½ inch globe valve	9 00
E389	Coupling to heater, with nut	1 70
E393	Fire box door on straw burner	2 50
E394	Frame for fire box door	2 50
E395	Base for smokestack	4 00

No.	Name.	Price
E398	Lining for smoke box door, 24 in. dia.	$ 1 50
E401	Slide casting for valve stem	4 50
E402	Bracket for slide casting	3 50
E403	Flame plate for smoke box	2 75
E404	Bracket for flame plate	1 00
E405	Damper	1 75
E406	Pillow block	5 00
E407	Cap for pillow block	2 00
E408	Top of brass box for main shaft, for 2⅜ shaft	4 00
E409	Bottom of brass box for main shaft	4 00
E410	Stand for injector	1 00
E411	Main spur wheel, 4¾ bore	25 00
E414	Bracket, with rear axle	15 00
E415	Grate bar for fire box	1 25
E416	Rear wheel, right hand, 12 in. face	60 00
E417	" left " " "	60 00
E418	Spur pinion, with clutch, 2⅜ bore	5 00
E419	" 2⅜ bore	4 50
E420	Bracket, with rear axle	20 00
E421	Fork to hold pinion in gear	75
E422	Holder to hold pinion out of gear	60
E423	Exhaust nozzle	1 25
E424	Support for boiler	4 00
E425	Rear wheel, 6 inch face, plain	35 00
E426	Front " 5 " "	27 00
E427	Rear " 6 " "	37 00
E428	Bracket and rear axle, "	10 00
E429	Support for boiler	5 00
E430	Base for smokestack	6 50
E431	Angle door for smoke box	7 00
E432	Bottom piece of angle door	2 75
E433	Front or rear rest for grates	1 00
E434	Grate bar for fire box	2 00
E435	Frame for smoke box door	6 00
E436	Flame plate in smoke box	3 00
E439	Mud claw	75
E440	Front wheel, 4 inch face	20 00
E441	Rear " 5 "	30 00
E442	Flame plate in smoke box	2 75
E444	1¼ inch globe valve	2 10
E445	¾ inch steam stop cock	1 60
E446	Glass oil cup on connecting rod	75
E451	Angle door for smoke box	6 00
E452	Bottom piece of angle door	2 75
E453	Front or rear rest for grates	1 00
E454	Center rest for grate bar	1 00
E455	Grate bar	2 00
E456	Frame for smoke box door	5 00
E457	Main spur wheel, 4½ bore	22 50
E458	Bracket, with rear axle	16 00
E459	Rear wheel, 10 inch face, right	55 00
E460	" " " left	55 00
E461	Bracket for steering shaft, R. H.	3 50
E462	" " " " L. H.	3 50
E463	Cap for bracket	1 00
E464	Steering shaft box	1 00

Continued on Page 132.

PITTS ENGINE--Continued

No.	Name.	Price.
E465	Draw bar casting	$ 2 00
E466	Box for steering shaft	1 00
E467	Steel axle for rear wheels	25 00
E468	Bracket for rear axle	15 00
E469	Stud attachment	8 00
E470	Bracket for stud attachment	5 00
E471	Intermediate spur wheel	15 00
E472	Bracket for steering shaft	4 00
E473	Upper slide bar	5 00
E474	Lower "	5 00
E475	Steel arm for shaft	4 00
E476	Crank for throttle valve stem	3 00
E477	Connecting rod for throttle valve	3 50
E478	Cylinder, 9x10, without heads or steam chest cover	55 00
E479	Front head for 9x10 cylinder	8 00
E480	Rear " 9x10 "	6 00
E481	Slide valve for 9x10 "	5 00
E482	Cover for steam chest "	5 00
E483	Piston head for 9x10 "	12 00
E484	Cylinder packing rings for 9x10 cylinder	2 00
E485	Engine frame or heater	45 00
E486	Pillow block	6 00
E487	Cap for pillow block	3 00
E488	Upper part of main shaft box, for $3\frac{3}{16}$ shaft	6 00
E488½	Lower part of main shaft box	6 00
E489	Gibs to main shaft box	3 00
E490	Compensation spur wheel, without pinions or pins, $2\frac{3}{4}$ bore	25 00
E491	Outside bevel wheel, $2\frac{3}{4}$ bore	8 00
E492	Inside " $2\frac{3}{4}$ "	8 00
E494	Governor stand and throttle chest	6 00
E495	Throttle valve gland	1 00
E496	" " stem	3 00
E497	Cap for bevel pinion pins	25
E498	Double eccentric block	6 00
E499	Eccentric block and pulley	6 00
E500	" strap	5 00
E501	Governor pulley	3 00
E502	Band wheel, 48x10½, $3\frac{3}{16}$ bore	50 00
E503	" 48x10½, $3\frac{3}{16}$ "	50 00
E504	" 36x6½, $3\frac{3}{16}$ "	25 00
E505	Connecting rod	12 00
E506	Strap for connecting rod, crank end	3 00
E507	" " cross head end	3 00
E508	Brass box for " crank end	6 00
E509	" " cross head end	5 50
E510	Cross head	9 00
E511	Yoke for slide bars	5 00
E512	Pump cylinder	5 00
E513	Bracket for pillow block	12 00
E514	Spur pinion on main shaft, $3\frac{3}{16}$ bore	8 00
E515	" with clutch, $2\frac{3}{4}$ bore	8 00

No.	Name.	Price.
E516	Spur pinion $2\frac{3}{4}$ bore	$ 7 00
E517	Bracket for slide casting	4 00
E518	Top piece of cylinder, lagging	1 25
E519	Center " " "	1 75
E520	Bottom " " "	1 75
E521	Cylinder cock with coupling nut	1 20
E522	Coupling to heater with nut	3 00
E523	Bracket for throttle valve	3 00
E524	Frame for fire box door	3 50
E525	Reverse lever stand on heater	6 00
E526	" " boiler	3 00
E527	Center bracket for heater	1 75
E528	Eccentric rod with brass bush	5 00
E529	" "	5 00
E530	Bracket for counter shaft, right hand	8 00
E531	" " left "	8 00
E532	Cap for counter shaft bracket	3 00
E533	Grate bar	1 75
E534	Rest for grate bar	1 00
E535	Main spur wheel, $3\frac{3}{32}$ bore	30 00
E536	Rear wheel, 16 inch face, right hand	70 00
E537	" 16 " left "	70 00
E538	Front wheel, 9 inch face	40 00
E540	Fork to hold pinion in gear	1 00
E541	Holder to hold pinion out of gear	1 00
E542	Mud claw, right hand	1 00
E543	" left "	1 00
E545	" right "	75
E546	" left "	75
E547	Door for ash box	2 00
E548	End " " right hand	60
E549	" " " left "	60
E550	Support for front of boiler	4 00
E551	Flame plate for smoke box	2 25
E553	Rear wheel, 9 inch face	38 00
E554	Front " 7 " "	28 00
E555	Rear wheel, 9 inch face	40 00
E556	Front " 7 " "	30 00
E557	Spur pinion, $2\frac{1}{16}$ bore	3 00
E558	" $2\frac{1}{16}$ "	3 00
E559	Bracket for slide casting	2 50
E561	Upper slide bar	3 00
E562	Lower "	3 00
E563	Main spur wheel, $3\frac{3}{32}$ bore	15 00
E564	Intermediate spur wheel, $2\frac{1}{16}$ bore	8 00
E565	Compensation spur wheel, without pinions or pins, $2\frac{1}{16}$ bore	10 00
E566	Inside bevel wheel, $2\frac{1}{16}$ bore	5 00
E567	Outside " $2\frac{1}{16}$ "	5 00
E568	Bevel pinion, steel	1 75
E569	Spur pinion on main shaft, $2\frac{1}{16}$ bore	3 00
E570	Bracket for stud attachment	2 50
E571	Stud for intermediate wheel	4 00

Continued on page 133

PITTS ENGINE—Contiuued

No.	Name.	Price.
E572	Double eccentric block	$4 00
E573	Governor pulley	2 00
E574	Bracket, with rear axle	10 00
E575	Band wheel, 36x6½, 2 1/16 bore	25 00
E576	Cap over bevel pinion pins	25
E577	Bracket for counter shaft, right hand	5 00
E578	" " left "	5 00
E579	Cap for counter shaft bracket	1 75
E580	Cap over bevel pinion pins	25
E581	Rear wheel, 3 inch face, right hand	45 00
E582	" " " left "	45 00
E583	Drum for chain on steering shaft	1 75
E584	Worm wheel " "	1 50
E585	" screw on side shaft	1 00
E586	Cap on counter shaft bracket	1 00
E587	Box for steering side shaft	1 00
E588	Fork to hold pinion in gear	75
E589	Holder to hold pinion out of gear	75
E590	Mud claw, right hand	50
E591	" left "	50
E592	Governor stand and throttle chest	4 00
E593	Reverse lever stand	2 50
E594	Side casting for slide valve	2 50
E595	Face crank wheel	5 00
E596	Injector stand	1 00
E597	Worm wheel on steering shaft	1 50
E598	" screw on side shaft	1 00
E599	Box for steering shaft	1 00
E600	Governor stand	3 00
E603	Door for fire box for straw	2 50
E604	Glass oiler on connecting rod	1 00
E605	Cylinder, 7⅜x10, without heads or steam chest cover	42 50
E606	Cover for steam chest, 7¾x10	2 50
E607	Reverse lever stand	3 25
E608	Governor stand and throttle chest	4 50
E609	Cap for pillow block	2 00
E610	" " "	2 00
E611	Intermediate spur wheel, 3½ bore	10 00
E612	Cylinder, 8¼x10, without heads or steam chest cover	45 00
E613	Cover for steam chest for above	3 00
E614	Spur pinion on main shaft, 2⅜ bore	5 00
E615	Intermediate spur wheel, 3 3 1/32 bore	12 00
E616	Compensation spur wheel, without pinions or pins, 2⅜ bore	18 00
E617	Quadrant	2 00
E618	Stud attachment	5 00
E620	Governor stand and throttle chest	5 00
E621	Inside bevel wheel, 2⅜ bore	7 00
E622	Outside " "	7 00
E623	Bracket for stud attachment	3 75
E624	Stud attachment for intermediate wheel	5 50
E625	Top piece of cylinder lagging	$1 00
E626	Holder to hold pinion out of gear	75
E627	Lower part of main shaft box, for 2⅜ shaft	5 00
E628	Upper part of main shaft box	5 00
E629	Side gib for main shaft box	2 00
E630	Pillow block	5 00
E631	Cap for pillow block	2 00
E632	" " "	2 00
E633	Upper slide bar	4 00
E634	Lower "	4 00
E636	Support for steering side shaft	50
E637	Intermediate spur wheel, 3½ bore	12 00
E638	Bracket for counter shaft right hand	7 50
E639	Cap " " "	2 00
E640	" " " left hand	2 00
E641	Bracket for counter shaft, left hand	7 50
E642	Cylinder, 8½x10, without heads or steam chest cover	45 00
E643	Front head for cylinder	6 00
E644	Rear " "	4 50
E645	Piston head, with rod, for cylinder	10 00
E646	Packing rings for cylinder	1 50
F649	Collar for stud attachment	1 00
E650	" " "	1 00
E651	Upper ring for smoke stack	1 25
E652	Quadrant	1 75
E653	Side piece for quadrant	1 00
E655	Hand wheel for valve rod	50
E657	Standard for water gauge	3 00
E658	Cylinder, 5½x9, without heads or steam chest cover	37 50
E659	Cylinder, 6½x9, without heads or steam chest cover	40 00
E660	Slide valve for cylinder	2 75
E661	Cover for steam chest	2 00
E662	Governor stand and throttle chest	4 00
E663	Upper part of main shaft box for 3 1/16 shaft	8 00
E664	Lower part of main shaft box	8 00
E667	Cover to iron tank	1 50
E668	¾ globe valve	1 05
E669	Heater frame	45 00
E670	Frame for smoke box door	4 00
E671	Door for smoke box	3 75
E672	Front or rear rest for grate	1 00
E674	Flame plate	2 00
E675	Door lining for straw burner	1 50
E676	Angle door " "	4 00
E677	Bottom piece for angle door	1 75
E678	Frame for smoke box door	5 00
E679	Grate bar	1 50

Continued on Page 134.

PITTS ENGINE—Continued

No.	Name.	Price.
E680	Front rest for grate bar	$ 1 00
E681	Rear " "	1 00
E691	Frame for fire box door, 18 H. P	3 50
E692	Traction wheel, 12 inch face, R. H	57 50
E693	" " " " L. H	57 50
E694	Door for fire box, 18 H. P	2 50
E695	" feeding straw	2 50
E696	Traction wheel, 10 inch face, R. H	50 00
E697	" " " " L. H	50 00
E705	Box for connecting rod	4 00
E706	Strap " " "	2 00
E723	Spur pinion on main shaft, $3\frac{3}{16}$ bore, 18 H. P	6 00
E724	Intermediate spur wheel, $3\frac{31}{32}$ bore, 18 and 25 H. P.—Iron, $18 00; Steel	70 00
E725	Compensation spur wheel, without pinions or pins, $2\frac{3}{4}$ bore, 18 H. P	25 00
E726	Spur pinion with clutch, $2\frac{3}{4}$ bore, 18 and 24 H. P	9 00
E727	Spur pinion, $2\frac{3}{4}$ bore, 18 H. P	8 50
E728	Main spur wheel, $4\frac{3}{4}$ bore, 18 and 25 H. P	40 00
E770	$\frac{1}{2}$ inch check valve	60
E771	$\frac{3}{4}$ " " "	90
E772	2 inch glass oiler	2 00
E773	Bracket for stud attachment, 18 H. P	7 50
E774	Stud attachment, 18 and 25 H. P	7 00
E775	Collar for stud attachment	1 25
E776	Draw bar casting	4 00
E779	1 inch globe valve	1 50
E780	Hand steering wheel	2 00
E781	Rear wheel, 14 inch, R. H	65 00
E782	" " " L. H	65 00
E785	Door for smoke box	3 50
E786	Lining for smoke box	1 50
E787	Main spur wheel, $4\frac{1}{2}$ bore	22 50
E788	Compensation spur wheel, without pinions or pins, $2\frac{3}{8}$ bore	15 00
E789	Intermediate spur wheel, $3\frac{1}{2}$ bore	10 00
E790	Spur pinion on main shaft, $2\frac{3}{8}$ bore	4 00
E791	" " with clutch, $2\frac{3}{8}$ bore	4 50
E792	" " $2\frac{3}{8}$ bore	4 50
E793	Bottom of ash pan	5 00
E794	Top " "	2 00
E795	Door " "	3 00
E804	Frame for smoke box door	5 00
E805	Base for smoke stack	4 50
E806	Angle door for smoke box	6 00
E807	Bottom piece of angle door	2 75
E808	Flame plate	3 00
E809	Bracket for flame plate	1 00
E825	Draw bar casting	4 00
E826	Suspension for link	2 00
E827	Catch-holder for reverse lever	1 00
E828	" handle " " "	25
E829	Quadrant	2 00
E830	Side piece for quadrant	1 00
E831	Bracket for shield	75

No.	Name.	Price.
E832	Lifting iron for screen	$ 0 50
E833	Wheel brace stand	2 00
E836	Support for boiler	4 00
E837	Rest plate, 18 and 25 H. P	8 00
E838	Spur pinions, $3\frac{3}{16}$ bore, 18 and 25 H. P.	5 00
E838	" " steel	18 00
E839	Wheel brace stand	2 00
E840	Heater frame, 25 H. P	50 00
E841	Cylinder, 10x10, without heads or S. chest cover, 25 H. P	60 00
E842	Front head for cylinder, 25 H. P	9 00
E843	Rear head for cylinder	7 00
E844	Steam chest cover for cylinder	5 00
E845	Piston head and rod for cylinder	13 00
E846	Slide valve for cylinder	5 00
E847	Base for smoke stack	5 50
E848	Bottom ring for smoke stack	2 50
E849	Packing ring for 10x10 cylinder	2 00
E850	Frame for cross steering shaft	7 00
E851	Box " "	1 50
E852	Drum and cross "	6 50
E853	Lower box for "	2 50
E854	Worm wheel, 18 H. P	2 50
E855	" screw, 18 "	1 50
E856	Compensation spur wheel without pinions or pins, $5\frac{3}{4}$ bore, 18 and 25 H P.	25 00
E857	Inside bevel wheel, $2\frac{3}{4}$ bore	8 00
E858	Angle door for smoke box	7 50
E859	Bottom piece of angle door	3 00
E860	Center piece of lagging	1 75
E861	Top " "	1 25
E862	Bottom " "	1 75
E863	Frame for smoke box door	6 50
E864	Large door for smoke box	6 50
E865	Small " "	1 00
E866	Lining for smoke box door	1 50
E867	Flame plate	3 25
E868	Support for front of boiler	3 50
E869	Frame for cross steering shaft	6 50
E870	Drum and " "	6 00
E871	Bottom of main shaft box for $2\frac{9}{16}$ shaft	6 00
E872	Top " "	6 00
E873	Gibb for main "	2 50
E874	Pillow block	5 00
E875	Reverse lever stand	3 00
E876	Counter shaft bracket, R. H	7 50
E877	" " L. H	7 50
E878	Bracket and rear axle	23 00
E879	Face crank wheel	10 00
E880	Eccentric block	3 50
E881	" " with pulley	5 50
E882	" strap	4 50
E883	Spur pinion, $2\frac{9}{16}$ bore	5 00
E884	Fork to hold pinion in gear	1 00
E885	Band wheel, 44x8½, $2\frac{9}{16}$ bore	30 00
E886	Heater frame	33 00
E887	Frame for smoke box door	5 50

Continued on page 135.

PITTS ENGINE—Continued

No.	Name.	Price.
E 888	Angle door for smoke box	$ 6 00
E 889	Bottom piece for angle door	2 75
E 890	Flame plate	2 50
E 891	Base for smoke stack	4 50
E 892	Large door for smoke box	5 00
E 893	Spur pinion, with clutch, 2⅜ bore	5 00
E 894	" 2⅜ bore	4 50
E 895	Main spur wheel, 4¾ bore	25 00
E 896	Lining for smoke box door	1 50
E 897	Grate bar	2 00
E 898	Holder for pinion out of gear	1 00
E 899	Front or rear rest for grate	1 25
E 900	Grate bar	2 25
E 901	Reverse lever stand on heater	6 00
E 902	Eccentric block and pulley	4 00
E 903	Bracket for side steering shaft	75
E 904	Front or rear rest for grates	1 00
E 905	Bracket for rear axle	10 00
E 906	Axle for same	20 00
E 908	Cylinder, 8x10, without heads or steam chest cover	45 00
E 909	Bracket for pillow block	6 00
E 911	Mud claw, right hand	75
E 912	" left "	75
E 913	Drum for steering chain	6 00
E 914	Bracket for drum	6 00
E 915	Face crank wheel	10 00
E 916	Frame for smoke box door	5 00
E 917	Door for smoke box	4 50
E 918	Angle door for smoke box	5 00
E 919	Bottom piece for same	2 75
E 920	Base for smoke stack	4 00
E 921	Brass box for connecting rod	6 00
E 922	Strap for connecting rod	3 00
E 923	Door lining	1 50
E 924	¾ inch angle valve	1 05
E 925	Exhaust nozzle, without valve	2 00
E 926	Valve for same	50
E 927	Box for steering shaft	2 00
E 928	Worm wheel	1 50
E 929	Front or rear rest for grates	1 00
E 930	Middle rest for grates	1 00
E 931	Eccentric strap	4 00
E 932	Mud claw, right hand	75
E 933	" left "	75
E 934	Frame for smoke box door	5 50
E 935	Door for smoke box	5 00
E 936	Bottom piece for angle door	2 75
E 937	Rest plate on front axle	6 00
E 938	Lining for smoke box door	1 50
E 939	Flame plate, without brick	5 00
E 941	Collar for stud	2 00
E 942	Rock shaft bracket	2 50
E 945	Side steering shaft box, upper	75
E 946	" " lower	2 50
E 947	Worm screw on side shaft	1 50
E 948	Steering wheel	2 00
E 949	Strainer for 1¼ inch hose	1 00
E 950	" 1½ "	1 00
E 951	Draw bar coupling	1 50
E 953	Suspension for link	2 00

No.	Name.	Price.
E 954	Draw bar casting	$ 4 00
E 955	Grate bar	2 00
E 956	Connecting rod	10 00
E 957	" " strap, cross head end	2 00
E 958	" " box, " "	4 00
E 959	" " strap, crank end	2 00
E 960	" " box, "	4 00
E 961	" " gib	1 00
E 962	" " key	75
E 963	Suspension for link	2 00
E 964	Collar for counter shaft, inside	1 50
E 965	" " " outside	1 00
E 966	Lever for throttle valve	1 00
E 967	Bracket for lever	50
E 968	Saddle for cross steering shaft	5 50
E 969	Engine bed 35 H. P.	50 00
E 970	Bracket for bed, cylinder end, "	5 00
E 971	" " crank " "	8 00
E 972	Cap for crank shaft box "	4 00
E 973	Cylinder, 9x12 in. "	60 00
F 974	Cap for crank shaft box "	4 00
E 975	Piston head, with rod "	18 00
E 976	Slide valve for cylinder "	5 00
E 977	Cylinder head "	7 00
E 978	Steam chest cover "	5 00
E 979	Eccentric strap "	5 00
E 980	" block "	6 00
E 981	Governor pulley "	2 00
E 982	Cross head "	12 00
E 983	Connecting rod, alone "	12 00
E 984	" " strap "	3 00
E 985	" " wedge "	1 25
E 986	" " box, brass "	6 00
E 987	Piston gland "	1 00
E 988	Pump cylinder "	7 00
E 989	" gland "	1 00
E 990	" plunger "	2 50
E 991	Bracket for stud attachment "	10 00
E 992	Stud " " "	10 00
E 993	Collar " " "	1 75
E 994	Counter shaft bracket, R. H. "	15 00
E 995	Cap for same "	4 00
E 996	Counter shaft bracket, L. H. "	15 00
E 997	Plate that angle door hangs on "	6 00
E 998	Inside collar on countershaft "	1 50
E 999	Outside " " "	1 50
E1000	Friction fly wheel "	25 00
E1001	Intermediate spur wheel "	25 00
E1002	Compensation " complete "	40 00
E1003	Inside bevel wheel "	10 00
E1004	Outside " " "	10 00
E1005	Link block, with washer "	4 00
E1006	Counter shaft pinion, with clutch, steel "	20 00
E1007	Counter shaft pinion, with key, steel "	20 00
E1008	Segment of gear for friction wheel "	6 00
E1009	Axle and bracket for rear wheel "	55 00

Continued on Page 136.

PITTS ENGINE—Continued

No.	Name.	Price.
E1010	Draw bar casting....35 H. P.	$ 5 00
E1011	Hub for large traction wheel. "	50 00
E1012	Pillow block bracket..... "	12 00
E1013	Pillow block..... "	7 50
E1014	" cap..... "	2 50
E1015	Slide bar..... "	5 50
E1016	" block..... "	3 00
E1017	" frame..... "	4 00
E1018	" cap..... "	1 00
E1019	Exhaust..... "	2 00
E1020	Friction wheel with pinions.. "	35 00
E1021	Axle bracket, front, malleable "	7 00
E1022	" " " "	7 00
E1023	Rock shaft bracket..... "	4 00
E1024	Boiler support in front..... "	7 00
E1025	Center support for single wheel "	17 00
E1026	Clutch yoke for friction wheel....Brass	8 40
E1028	Bracket for front wheel..... "	3 50
E1029	" " ..... "	1 50
E1030	Base for smoke stack..... "	7 50
E1031	1½ inch balance throttle valve.....	8 00
E1032	2 inch " "	10 00
E1033	Ash pan.....	2 25
E1034	Center rest for grates.....	1 00
E1036	" "	1 00
E1037	Spur pinion on counter shaft, $2\frac{9}{16}$ bore	5 00
E1038	" " " "	4 50
E1039	Front rest for grates.....	75
E1040	" "	75
E1041	Compensation spur wheel without pinions or pins, 4¾ bore.....	18 00
E1042	Inside bevel wheel, $2\frac{9}{16}$ bore.....	7 00
E1043	Outside " " "	7 00
E1044	Counter-shaft bracket, right hand.....	7 50
E1045	" " left "	7 50
E1046	Cap for bracket E1044.....	2 00
E1047	" " E1045.....	2 00
E1048	Heater frame.....	50 00
E1049	Support for front of boiler.....	3 50
E1050	Smoke box ring.....	7 00
E1051	Lining for smoke box, corrugated.....	3 00
E1052	Smoke box ring.....	6 00
E1053	Lining for smoke box.....	2 50
E1054	Counter-shaft pinion, with clutch....	9 00
E1055	" " with key.....	8 50
E1056	Intermediate spur wheel.....	18 00
E1057	Bracket on smoke stack base..35 H. P.	50
E1058	Gear cover for compensation spur wheel.....35 H. P.	1 60

No.	Name.	Price.
E1061	Button ring on smoke stack...35 H. P.	$3 00
E1062	Worm segment for steering.....	8 00
E1063	Grate bar.	1 75
E1064	" rest.....	1 00
E1067	" .....35 H. P.	3 75
E1068	Worm pinion stand..... "	3 00
E1069	Grate bar rest..... "	1 50
E1070	Straw feeding door, complete, "	8 00
E1079	Ash pan.....	2 00
E1080	2½ inch balance throttle valve..35 H. P.	15 75
E1081	1 inch check valve..... "	1 80
E1082	1 inch stop cock..... "	1 85
E1083	Lever section to pump with valve "	6 00
E1084	Air chamber..... "	4 50
E1085	1 inch globe valve..... "	1 50
E1086	1 inch angle " ..... "	1 50
E1087	Friction wheel..... "	10 00
E1088	Pinion for friction wheel, steel "	18 00
E1089	Draw bar casting..... "	5 00
E1090	Water tank end..... "	5 00
E1091	44 inch fly wheel, 8½ inch face. "	30 00
E1092	Bracket box for front wheel... "	6 00
E1093	Cap for same..... "	4 00
E1094	Bottom piece of front door casting "	1 00
E1095	Yoke bracket for front wheel.. "	25 00
E1096	Throttle valve bracket..... "	1 50
E1098	Rock shaft bracket, R. H..... "	2 50
E1099	Reverse lever bracket..... "	1 00
E1100	Cover to peep hole..... "	25
E1101	Ash box in front end of boiler. "	4 00
E1102	Cover for same..... "	1 25
E1103	Lever for throttle valve..... "	50
E1104	Bracket for worm gear..... "	3 00
E1105	" front wheel..... "	15 00
E1106	" friction wheel..... "	2 50
E1107	Quadrant..... "	2 00
E1109	Axle cap for friction wheel.... "	3 00
E1110	" " " ... "	3 00
E1111	Bottom ring on smoke stack... "	3 00
E1112	Center " " . . "	2 50
E1113	Connecting " " ... "	2 50
E1114	Steering shaft bracket..... "	1 50
E1115	Cap for same..... "	50
E1116	Side steering shaft box..... "	1 25
E1118	Bracket for platform rod..... "	1 25
E1120	Lid for tank..... "	2 25

Continued on page 137.

PITTS ENGINE—Continued

No.	Name.	Price.
E1121	Main shaft pinion, 2¾ bore	$5 00
E1122	Eccentric block and G. pulley	5 50
E1123	" "	3 50
E1124	Top part of main shaft box for 2¾ shaft	6 00
E1125	Bottom part of main shaft box	6 00
E1126	Side gib for main shaft box	2 50
E1127	Block on angle iron, 35 H.P.	60
E1128	Frame for straw-feeding door "	3 00
E1129	Fifth wheel plate "	1 00
E1130	Square oil cup "	60
E1131	Cover for same "	25
E1132	Round oil cup "	75
E1133	Cover for same "	20
E1134	Draw bar casting	4 00
E1135	Band wheel, 44 in. diam., for 2¾ in. shaft	30 00
E1136	Flame plate, without brick	3 50
E1137	Bracket for flame plate	75
E1139	" " " "	75
E1140	Draw bar casting	2 00
E1141	Piece for draw bar	1 00
E1142	Fork to hold main shaft pinion	1 00
E1143	Bottom piece for angle door	2 75
E1144	Flame plate, without brick	2 50
E1145	Cylinder for 8½x10, without heads or steam chest cover	45 00
E1146	Piston head for 8½x10	10 00
E1150	Lug for traction wheel, malleable, right hand	75
E1151	Lug for traction wheel, malleable, left hand	75
E1154	Face crank wheel	12 00
E1155	Cast hub for wrought iron rear wheel	15 00
E1156	Main spur wheel, 6¾ bore	30 00
E1157	Bracket and axle	30 00
E1158	Arch for angle door	2 75
E1159	Cast hub for wrought iron front wheel	6 00
E1161	Lower ring on smoke stack	2 50
E1162	Angle door	6 00
E1163	Base on boiler for 12 inch oval stack	5 00
E1164	Cast iron top for 9 inch stack	4 00
E1165	Ring for smoke box door	3 50
E1166	Door for smoke box	2 25
E1167	Ring for smoke box door	3 25
E1170	Pillow block bracket	5 00
E1171	Governor stand	4 50
E1172	Hand hole plate bracket, 3½x2¼	50
E1173	" " " 3½x2¼	1 00
E1174	" " " 3x2	1 00
E1175	" " " bracket, 3x2	50
E1176	Friction fly wheel, alone, 40x8¼, $2\frac{9}{16}$ bore	28 00
E1177	Pinion and disc for friction clutch, $2\frac{9}{16}$ bore	7 00
E1178	Sleeve on disc for friction clutch	3 00
E1179	Brass ring for friction clutch	3 50
E1180	Brake shoe bracket for friction clutch	1 00
E1181	Hand hole plate	1 00
E1182	" " " bracket	50
E1183	" " "	1 00
E1184	" " " bracket	50
E1185	" " "	1 00
E1186	" " " bracket	50
E1187	Nut for friction clutch	50
E1188	Plate for brake shoe for friction fly wheel	$1 50
E1189	Brake lever bracket for friction fly wheel	1 25
E1190	Quadrant	2 00
E1191	Mud shield over axle bracket, E1157	1 00
E1192	Connecting rod box, crank end	5 00
E1193	" " " cross head end	3 00
E1194	Counter shaft pinion, with clutch, steel, $2\frac{9}{16}$ bore	11 50
E1195	Counter shaft pinion, with key, steel, $2\frac{9}{16}$ bore	12 00
E1196	Friction fly wheel, alone, 40x8½, 2¾ bore	30 00
E1197	Pinion and disc for friction wheel, 2¾ bore	8 00
E1198	Pillow block bracket	6 00
E1199	Collar for axle bracket, E1157	50
E1200	Connecting jaw for friction wheel	25
E1201	Cylinder, 8¾x10, without heads or steam chest cover	65 00
E1202	Cross head, complete	10 00
E1203	Heater frame	40 00
E1204	Pillow block bracket	10 00
E1205	" "	5 00
E1206	" " cap	2 00
E1207	Cross head shoe	2 50
E1208	Slide valve for steam chest	3 00
E1209	Steam chest cover	3 00
E1210	Smoke box ring	7 00
E1211	Cap for pillow block	2 25
E1212	" " "	2 00
E1213	Smoke box door	3 50
E1214	Door lining	1 50
E1215	Grate bar rest	75
E1216	Smoke stack base on boiler	6 00
E1217	Lower ring on smoke stack	2 50
E1218	Flame plate wedge	75
E1219	Support for front of boiler	4 00
E1220	Stud for intermediate wheel	5 00
E1221	Collar for stud	1 25
E1222	Crank for reverse lever	1 50
E1223	" link hanger	1 00
E1224	Top part of boiler front	1 50
E1225	Bottom " " "	10 00
E1226	Fire box door	2 50
E1227	Straw-feeding door	2 50
E1228	Flame plate in fire box over door	1 00
E1229	" " " under "	75
E1230	Ash box door	1 50
E1231	Arch for angle door	2 75
E1232	Angle door	6 00
E1233	Counter shaft pinion, with clutch, steel, 2¾ bore	12 00
E1234	Counter shaft pinion, steel, 2¾ bore	12 00
E1235	Eccentric block for pump	3 50
E1236	" " " valve	5 50
E1237	Draw bar casting	4 00
E1238	End piece for heater	3 00
E1239	Collar for counter shaft	1 50
E1240	" " "	1 00
E1241	Boiler support	4 00

Continued on Page 138.

PITTS ENGINE—Continued

No	Name.	Price.
E1242	Bevel wheel with clutch, $2\frac{3}{4}$ bore	$ 7 00
E1243	Angle door	6 00
E1244	Link block	2 00
E1245	Bracket for spur wheel shield	75
E1246	Pump barrel	4 00
E1248	" plunger	1 50
E1249	Spur pinion, with sleeve on main shaft $3\frac{3}{16}$ bore	9 00
E1250	Brake lever bracket	1 50
E1251	Side flame plate in smoke box	1 50
E1252	Reverse lever bracket	75
E1253	Platform and steering shaft bracket, right hand	1 50
E1254	Platform and steering shaft bracket, left hand	1 50
E1255	Stud for intermediate wheel	7 00
E1256	Collar for stud	1 25
E 57	Friction fly wheel, alone, 40x8½, $3\frac{3}{16}$ bore	30 00
E1258	Top piece of cylinder lagging	1 25
E1259	Center " " "	1 50
E1260	Bottom " " "	1 25
E1261	Quadrant	1 50
E1262	Side piece for quadrant	25
E1263	Exhaust nozzle	2 00
E1264	Quadrant	1 50
E1265	Side piece for quadrant	25
E1266	Lower ring on smoke stack	2 00
E1267	Pump gland	1 50
E1268	Tool box	1 00
E1269	Cover for tool box	50
E1270	Foot rest	1 00
E1271	Pillow block bracket	7 00
E1272	Counter shaft bracket, right hand	8 00
E1273	" " left hand	8 00
E1274	Cap for counter shaft bracket	3 00
E1275	Steering shaft bracket	75
E1276	Connecting rod	12 00
E1277	" " strap	3 00
E1278	" " key	75
E1279	" " wedge	1 00
E1280	Foot rest	50
E1281	Connecting ring on smoke stack	1 25
E1282	Frame for fire box door	8 00
E1283	End piece for heater, with pipe	3 00
E1284	Cylinder head	4 50
E1285	Grate bar	2 00
E1286	Piston head	10 00
E1287	Quadrant	75
E1288	Connecting ring on smoke stack	1 25
E1289	Angle door	6 00
E1290	Bottom piece for angle door	2 50
E1291	Flame plate in fire box	1 00
E1292	Upper part of fire door frame	1 50
E1293	Coupling for connecting rod and link	75

No.	Name.	Price.
E1294	Bracket for spur wheel shield	$0 75
E1295	Truss rod coupling	1 00
E1296	Front rest for grates	1 00
E1297	Collar on counter shaft	1 50
E1298	" "	1 00
E1300	Cast pipe from heater to stack	$ 1 50
E1301	Friction fly wheel, alone, 40 in. diam., $2\frac{3}{8}$ bore	28 00
E1302	Spur pinion and disc	7 00
E1303	Brace bracket for injector pipe	75
E1304	Mud claw	50
E1306	Upper slide bar	4 00
E1310	Frame for smoke box door	4 00
E1311	Door for smoke box	3 50
E1312	Governor stand	5 00
E1313	Top part of smoke stack	5 00
E1314	Connecting rod	12 00
E1317	Wrench, malleable	25
E1318	S. wrench, malleable	40
E1319	Shoe for cross head	2 50
E1320	Socket wrench	25
E1321	Cross head box	4 00
E1322	Valve stem flange	50
E1323	Governor stand	4 50
E1324	Gib for connecting rod	1 00
E1325	Governor pulley	2 50
E1326	Stuffing box gland	1 25
E1327	Nut for stuffing box	3 00
E1328	Slide casting for valve stem	4 50
E1329	Bracket for hand hole plate	50
E1330	Hand hole plate	1 00
E1331	Lug for traction wheel, right hand	50
E1332	" " " left "	50
E1428	Collar on counter shaft, for end	1 00
E1431	Hub for 12 in. face wrought iron wheel	12 00
E1432	Boiler support	4 00
E1433	Axle bracket for 12 in. wrought iron wheel	16 00
E1434	Collar for axle	75
E1435	Counter shaft pinion, with clutch, steel	10 00
E1436	" " with key seat, steel	10 00
E1437	Main spur wheel, 6 in. hole	22 50
E1438	Stud for intermediate wheel	5 00
E1439	Collar for stud	1 00
E1440	Hub for single front wheel	12 00
E1441	Box for side steering shaft	75
E1442	Fly wheel for friction clutch, 40 in. diam., 10½ in. face, $3\frac{3}{16}$ bore	32 00
E9401	Y clip for front axle and reach	75
E9402	Fork for friction clutch	3 00
E9403	Head shaft	4 50
E9404	Chilled gib, slotted	2 00
E9405	" round hole, for head	2 00
E9406	Cylinder, $7\frac{3}{8}$ x 10, without heads or steam chest cover	42 50

Continued on page 139.

PITTS ENGINE—Continued

No.	Name	Price.
E9407	Friction clutch slide pin bracket	$1 25
E9408	Eccentric rod end	1 00
E9409	Counter shaft bracket, right hand	7 50
E9410	" " left "	7 50
E9411	" " right "	7 50
E9412	" " left "	7 50
E9413	Cap for angular pillow block, E9414	2 00
E9414	Angular pillow block with cap, babbited	8 50
E9415	Fulcrum bracket for friction clutch	1 50
E9416	Connecting rod	10 00
E9417	Strap for connecting rod, crank end	2 00
E9418	Box " " "	4 25
E9419	Gib " " "	1 00
E9420	Key " " "	75
E9421	Bevel wheel, inside, for $2\frac{3}{8}$ shaft	7 00
E9422	Compensation spur wheel, $4\frac{3}{4}$ inch bore, without pinions or pins	15 00
E9423	Intermediate spur wheel	12 00
E9424	Mud shield over axle bracket	1 00
E9425	Half box for front end of reach	$0 25
E9426	Pulley for $2\frac{1}{4}$ inch Pickering governor, 260 revolutions	1 75
E9427	Pulley for 2 inch Pickering governor, 260 revolutions	1 50
E9428	Pulley for $2\frac{1}{2}$ inch Pickering governor, 230 revolutions	1 75
E9429	Pulley for $1\frac{1}{2}$ inch Pickering governor, 255 revolutions	1 50
E9430	Cylinder, 8x10	45 00
E9431	Rest plate on front axle	6 00
E9432	Fly wheel, 36 in. diameter, $2\frac{9}{16}$ bore	27 00
E9433	Head shaft	5 00
E9434	Cylinder, $8\frac{1}{2}$x10	45 00
E9435	Valve rod guide bracket	3 00
E9436	Valve rod slide	3 00
E9437	Counter shaft pinion, with clutch, steel	11 50
E9438	" " " key seat, "	12 00
E9439	Engine frame and heater	30 00

FLAME PLATES FOR STRAW BURNING ENGINES

No.		Size of Engine.
E 674	Flame plate,	10 H., 1886-1887,
E 255	"	12 H., 1882 only,
E 551	"	12 H., 1889 "
E 890	"	12 H., 1890 "
E1144	"	12 H., 1891-1894,
E 442	"	13 H., 1883 only,
E 403	"	13 H., 1884 "
E 551	"	13 H., 1885 "
E 551	"	14 H., 1886-1887,
E1136	"	14 H., 1892 only,
E 808	"	15 H., 1887-1888,
E1136	"	15 H., 1893 only,
E 890	"	16 H., 1888-1890,
E 867	"	16 H., 1890 only,
E1136	"	16 H., 1891 "
E1136	"	16 H., 1892 "
E 436	"	17 H., 1884-1885,
E 436	"	18 H, 1885-1888,
E1344	"	18 H., 1393-1894,
E 867	"	25 H., 1888 only,
E 939	"	25 H., 1889-1890,

Size of Boiler	Price.
28 inch waist, water front	$2 00
$29\frac{1}{2}$ inch waist	2 75
$29\frac{1}{2}$ inch waist, water front	2 25
$29\frac{1}{2}$ inch waist, independent smoke box	2 50
$29\frac{1}{2}$ inch " " "	2 50
30 inch waist, water front	2 75
30 inch " "	2 75
31 inch " "	2 25
31 inch " "	2 25
$32\frac{1}{2}$ inch waist, independent smoke box	3 50
$32\frac{1}{4}$ inch waist, water front	3 00
$32\frac{1}{2}$ inch waist, independent smoke box	3 50
$32\frac{1}{2}$ inch waist, water front	2 50
$32\frac{1}{2}$ inch waist, independent smoke box	3 25
$32\frac{1}{2}$ inch " " "	3 50
$34\frac{1}{2}$ inch " " "	3 50
33 inch waist, water front	3 00
33 inch " "	3 00
$35\frac{1}{2}$ inch waist, independent smoke box	3 75
$35\frac{1}{2}$ inch waist, water front	3 25
$35\frac{1}{2}$ inch " "	5 00

FIRE BRICK FOR FLAME PLATES

No.		Price.
29A	Fire brick for flame plate, E1144 ..... each	$1 50
32A	" " " E1136 ..... "	1 50
35R	" " " E1344, right hand ..... "	1 75
35L	" " " E1344, left " ..... "	1 75
	" " " E 939 ..... "	1 50

Continued on page 140.

PITTS ENGINE—Continued

LININGS FOR SMOKE BOX DOORS FOR STRAW BURNING ENGINES

No.	Name.		Size of Engines.	Price.
E 675	Lining to fit door	E 671,	10 H., 1886–1887	$1 50
E 923	" "	E 917,	12 " 1889 only	1 50
E 938	" "	E 935,	12 " 1890–1891	1 50
E 938	" "	E 935,	12 " 1893–1894	1 50
E 398	" "	E 113,	13 " 1884–1885	1 50
E 398	" "	E 113,	14 " 1886 only	1 50
E 398	" "	E 785,	14 " 1887 only	1 50
E 938	" "	E 935,	14 " 1892 only	1 50
E 398	" "	E 785,	15 " 1887–1888	1 50
E 938	" "	E 935,	15 " 1893–1894	1 50
E 896	" "	E 892,	16 " 1888 only	1 50
E 938	" "	E 935,	16 " 1889–1891	1 50
E1214	" "	E1213,	16 " 1892 only	1 50
E 398	" "	E 113,	17 " 1884–1885	1 50
E 398	" "	E 113,	18 " 1885–1886	1 50
E 398	" "	E 785,	18 " 1887 only	1 50
E1214	" "	E1213,	18 " 1893–1894	1 50
E 866	" "	E 864,	25 " 1888–1890	1 50
E 786	Small lining used with lining E398 in 14, 15 and 18 H., 1887			1 50

SIDE LININGS FOR SMOKE BOX OF STRAW BURNERS

E1053	Corrugated casting,	2 in set	12 H., 1890 only, each	$2 50
29B	Fire brick,	4 "	12 " 1891–1894 "	1 50
32B	"	4 "	14 " 1892 only, "	1 50
32B	"	2 "	15 " 1893–1894, "	1 50
E1251	Casting,	2 "	15 " 1893–1894, "	1 50
E1051	Corrugated casting,	2 "	16 " 1890 only, "	3 00
32B	Fire brick,	4 "	16 " 1891 " "	1 50
32B	"	2 "	16 " 1892 " "	1 50
E1251	Casting,	2 "	16 " 1892 " "	1 50
35B	Fire brick,	2 "	18 " 1893–1894, "	1 50
E1251	Casting,	2 "	18 " 1893–1894, "	1 50

GRATE BARS FOR STRAW BURNING ENGINES

E 679	Grate bar, 31¼x3½ in.,	6 in a set,	10 H., 1886–1887	$1 50
E 184	" 18⅞x8 "	6 "	12 " 1882 only	2 00
E 955	" 32½x7¾ "	3 "	12 " 1889 "	2 00
E1063	" 32⅛x5¾ "	4 "	12 " 1890–1894	1 75
E 184	" 18⅞x8 "	6 "	13 " 1883–1884	2 00
E 455	" 16 x8¾ "	6 "	13 " 1885 only	2 00
E 455	" 16 x8¼ "	6 "	14 " 1886–1887	2 00
E 897	" 34½x6½ "	4 "	14 " 1892 only	2 00
E 455	" 16 x8¾ "	6 "	15 " 1887–1888	2 00
E 897	" 34½x6½ "	4 "	15 " 1893 only	2 00
E 897	" 34½x6½ "	4 "	15 " 1894	2 00
E 897	" 34½x6½ "	4 "	16 " 1888–1891	2 00
E1285	" 32⅛x6½ "	4 "	16 " 1892 only	2 00
E 434	" 20½x7⅞ "	6 "	17 " 1884–1885	2 00
E 533	" 33¾x4⅝ "	6 "	18 " 1885–1888	1 75
E1377	" 32⅝x6⅜ "	4 "	18 " 1893–1894	2 00
E 900	" 37 x5⅞ "	5 "	25 " 1888–1890	2 25

Continued on page 141.

PITTS ENGINE—Continued

SUNDRY STEEL AND WROUGHT IRON PARTS FOR ENGINES

Name.	Price.
Pump plunger, steel	$2 50
Post or stud for pump plunger	2 00
Eccentric rod, all sizes except 18, 20 and 25 horse	3 50
Eccentric rod, 18, 20 or 25 horse	5 00
Pin for eccentric rod	75
Link, steel, alone, all sizes except 18, 20 and 25 horse	10 00
Link, steel, alone, 18, 20 or 25 horse	12 00
Saddle for link	3 00
Suspension for link, steel	4 00
Link block, steel	2 00
Pin for link block	1 00
Washer for link block pin	75
Wrist pin, steel, on face crank wheel	3 50
Reverse lever complete	6 00
Pin for reverse lever, all sizes except 6 and 8 horse	2 00
Pin for reverse lever, 6 or 8 horse	1 50
Throttle valve stem for throttle chest	2 00
Pin in cross head to hold piston	50

Name.	Price.
Double crank shaft, 18 or 25 horse	$65 00
Pin for pinions in compensation wheel	1 00
Gib for slide casting E124	40
Pipe in heater	2 50
Gib for cross head or wrist pin box	1 00
Key " " " " "	75
Flue scraper, without rod, for 2 inch flues	2 00
" " " 3 "	3 00
" " " 4 "	4 00
Rod for flue scraper	1 00
Coal scraper	1 00
Poker	1 00
Pitchfork, with iron handle, for feeding straw	1 50
Wrought iron grate bars for straw burners, each,	75
Valve rod for steam chest, all sizes except 18, 20 and 25 horse	2 00
Valve rod for steam chest, 18, 20 and 25 horse.	2 50
Connecting rod for cylinder cocks	50
Flume for feeding straw, with self closing door	8 00
Same, without cast fire box door	5 50
Spring for draw bar	1 00

SUNDRY BRASS PARTS FOR ENGINES

Name.	Price.
Slide throttle valve in throttle chest	$1 25
Gland for throttle valve chest	75
" " " " "	1 00
Valve stem flange, with set screw	1 25
" " " " "	1 50
" " " 17, 18, 20 or 25 horse	1 75
Nut for E 59 coupling nut	50
" E389 " "	75
" E522 " "	75
Nut on slide valve stem	75
Jam nut on E61 or E384	30
Drip cock on E46, E48 or E387	30
Relief cap for E383	30
Upper valve in E61 or E384	50
Lower " " "	50
Fusible fire plug, ½ inch	50
" " ¾ "	75
Thumb screw for truck wheel	20

Name.	Price.
Whistle, 2½ inch	4 50
Bell for 2½ inch whistle	2 25
Stem and valve for 2½ inch whistle	2 50
Lever for 2½ inch whistle	25
Nut on top of 2½ inch whistle	30
Pop safety valve	9 00
Steam gauge, with syphon	8 25
Syphon for steam gauge	1 50
Brass rod for water gauge	15
Nozzle and coupling for hose	90
Suction hose strainer, for ½ or ¾ inch hose	50
Stem, lock nut and disc, for E379	1 50
" " " " E380	2 00
¾ inch brass plug for boiler	30
1¼ " " " " short	60
1¼ " " " " long	1 00
1½ " " " "	1 30
2 " " " "	1 65

SUNDRY CAST IRON PARTS FOR ENGINES

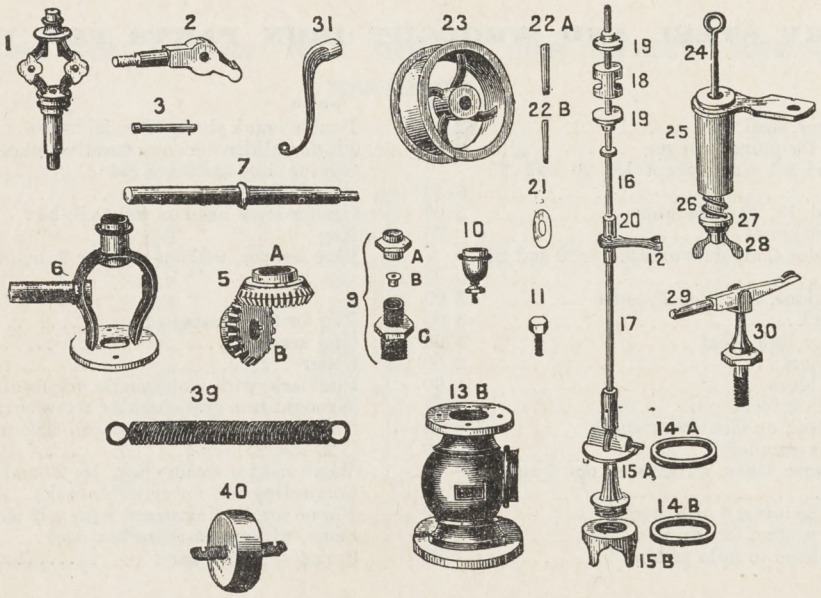
Name.	Price.
Collar for E571 stud	$1 00
Axle nut for traction engines	50
" " plain engines	50
Ratchet for ash box door	25
Funnel for filling boiler	1 25

Name.	Price.
Cap for bevel pinion pins in compensation wheel, inside	$0 25
Cap for bevel pinion in compensation wheel, outside	25

Continued on Page 142.

PITTS ENGINE—Continued

JUDSON GOVERNOR, USED ON PITTS ENGINE



Repairs For Judson Governor

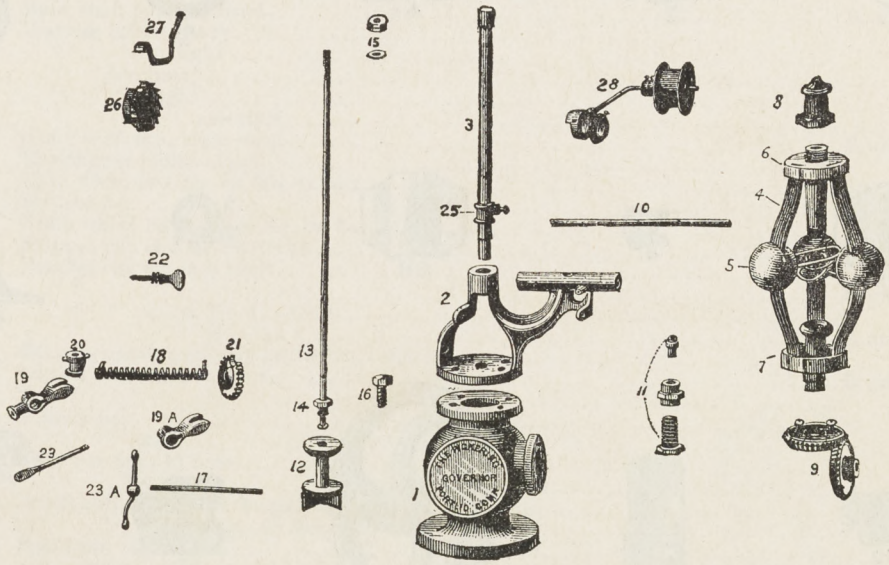
		1¼ inch.	1½ inch.	2 inch.	2¼ inch.
No. 1	Head	$4 00	$4 50	$5 00	$6 00
No. 2	Arm	1 00	1 25	1 50	1 60
No. 3	Arm bolt	35	40	40	50
No. 5	Mitre gear, say whether A or B, each	75	75	1 00	1 10
No. 6	Arch	3 50	4 00	4 75	5 50
No. 7	Pulley shaft	2 00	2 00	2 25	2 50
No. 9	Stuffing box, A, B, and C	1 25	1 25	1 25	1 50
No. 10	Oil cup	30	40	40	40
No. 11	Cap screw	30	35	40	40
No. 12	Band stop	25	25	30	30
No. 13	Valve chamber	5 00	6 00	7 50	9 00
No. 14	Valve chamber seat, A or B	25	30	40	50
No. 15	" piston, A or B	1 00	1 15	1 20	1 25
No. 16	Steel valve rod	40	45	50	60
No. 17	Brass "	45	55	65	75
No. 18	Spool	50	60	70	80
No. 19	Collars, each	40	40	50	50
No. 20	Union	30	40	40	40
No. 21	Washer	15	20	20	25
No. 22	Taper pin, A or B	05	06	07	10
No. 23	Pulley	1 25	1 50	1 50	1 75
No. 24	Rod for spring speeder	50	60	65	75
No. 25	Barrel for spring	40	45	50	60
No. 26	Spring to spring speeder	25	25	30	30
No. 27	Spool or washer for spring speeder	25	25	25	25
No. 28	Thumb nut for spring speeder	25	25	25	30
No. 29	Lever for spring speeder	60	60	65	75
No. 30	Standard and cap screw for spring speeder	60	60	65	75
No. 31	Sawyer's lever for speeder	15	15	15	20
No. 39	Side spring for governor, each	25	25	25	30
No. 40	Balls, each	70	70	75	1 00
	Spring speeder, complete	3 00	3 15	3 40	3 90
	Flat governor belt	75	1 00	1 00	1 50
	Round governor belt	3 00	3 00	3 50	3 50
	Governor, complete, say whether plain or traction	20 00	25 00	30 00	35 00

Continued on Page 143.

PITTS ENGINE—Continued

PICKERING GOVERNOR, USED ON PITTS ENGINE

When ordering give size of Governor and number, which is stamped on brass band of lower flange.



		1¼ inch	2 inch.	2¼ inch.
No. 1	Valve chamber	$5 95	$7 50	$10 00
No. 2	Bracket	3 75	5 00	5 60
No. 3	Spindle	2 40	2 50	2 70
No. 4	Springs	5 00	6 25	6 85
No. 5	Balls (3) and guards	2 80	3 15	3 25
No. 6	Upper flange and brass ring	2 00	2 00	2 25
No. 7	Lower " "	2 00	2 00	2 25
No. 8	Cap	90	90	95
No. 9	Gears (2) and screws	1 60	1 60	1 85
No. 10	Driving shaft	1 60	1 60	1 75
No. 11	Stuffing boxes (3 pieces)	1 60	1 90	2 00
No. 12	Valve (steam metal)	2 50	3 15	3 75
No. 13	Valve stem,			
No. 14	Valve hanger,	2 50	2 50	2 60
No. 15	Lock nuts (2) and washers			
No. 16	Bracket bolts	45	90	1 00
No. 17	Speeder shaft	35	35	40
No. 18	Speeder spring	50	50	6
No. 19A	Speeder toe piece, 3½ inches and below	45	45	5
No. 20	Speeder collar	35	35	40
No. 21	Speeder worm wheel, Class B	65	65	75
No. 22	" Class B	35	35	45
No. 23A	Sawyer's valve lever, 3½ inch and below	25	25	30
No. 25	Collar	45	45	45
No. 26	Ratchet, Class A	95	95	1 05
No. 27	Pawl, Class A	50	50	60
	Governor complete	25 00	30 00	35 00

BENICIA AND BAXTER & HILLS HEADERS

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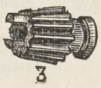
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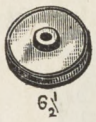
4N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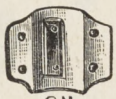
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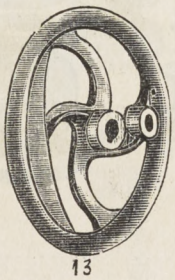
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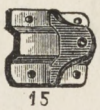
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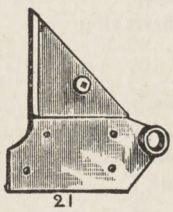
20C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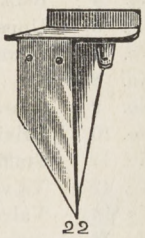
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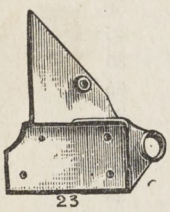
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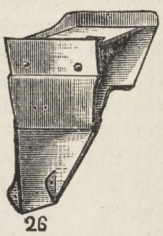
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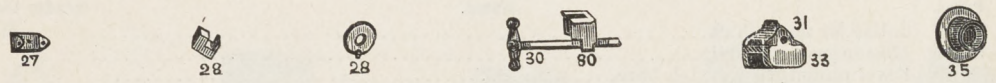
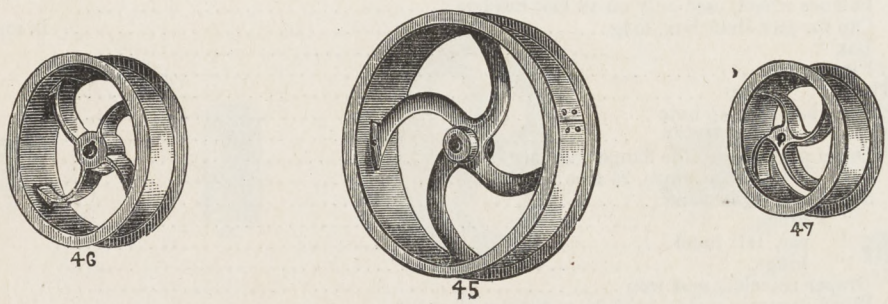
BENICIA AND BAXTER & HILLS HEADERS

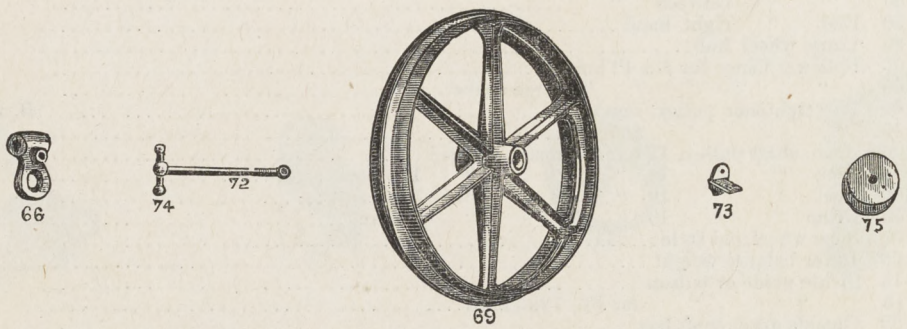
When ordering, follow instructions on Page 162.

No.	Price.	Name.	Header Used On.
1	$1 00	Collar for main shaft	B. & H.
2	18 00	Master gear, old style	"
3	2 25	Bevel pinion, 13 cogs, $1\frac{5}{16}$ bore	"
3B	2 50	" " used only on headers, with 48 inch drapers	"
4N	40	Main shaft box, left hand	B. and B. & H.
6	1 00	Traveler roller, heavy	B. & H.
$6\frac{1}{2}$	1 00	" " light	"
6S	1 25	" jaw, heavy	"
7	1 00	" " light	"
$7\frac{1}{2}$	1 00	" " " new style	"
7N	40	Grain shaft box, right hand	B. and B. & H.
8	1 75	Master gear pinion clutch	B. & H.
8N	1 50	Main wheel box cap for No. 4N box	B. and B. & H.
9	25	Shipper box	B. & H.
9N	1 25	Grain wheel box cap for No. 7N box	"
10	30	Shipper box cap for No. 9 box	"
11	1 80	Bracket box for jack shaft	"
11N	1 75	" " "	B. and B. & H.
12	75	" cap for No. 11 box	B. & H.
12N	75	" " No. 11N "	B. and B. & H.
13	6 00	Balance wheel, used only on 16 foot headers	B. & H.
14	1 00	Cap for jack shaft box, long	B. and B. & H.
15	1 00	Box " " " "	"
16	50	Pitman box	"
17		" " cap	"
18	50	Sway bar box, $\frac{11}{16}$ hole	"
19	50	" " $\frac{9}{16}$ "	"
20	2 75	Drum pulley, one side flanged, $2\frac{1}{2}$ face	B. & H.
20C	2 75	" " no flange, $2\frac{1}{2}$ face	"
21	1 75	Spout ear, right hand	"
22	2 25	" hinge, "	"
23	1 50	" ear, left hand	"
24	1 00	" hinge, "	"
25	1 25	Draper travelers, cast iron	"
25N	75	Wood draper traveler, 8x1¾ in. at bottom of spout	B.
...	1 25	Pin for No. 25N	"
26	2 75	Secret box for sickle bar	B. & H.
27	25	Divide board iron	"
28	25	Draper tightener box for roller	"
29	1 00	Secret box for sill	"
30	60	Tightener screw and nut, for Nos. 28 or 80	B. and B. & H.
31	25	Reel shaft box cap, right hand	B. & H.
32	25	" " left "	"
33	75	" box, left hand	"
34	50	" " right "	"
35	50	Draper roller pulley, flanged one side	B. and B. & H.
36	60	" " " middle	"
37	50	" " " plain	"
38	50	End reel hub, left hand	B. & H.
39	50	Center " center of spoke	"
40	50	" " between "	"
41	50	End " right hand	"
42	7 50	Large wheel hub	"
43	2 00	Follower flange for No. 42 hub	"
43L	2 00	" " " " " large spoke	"
44	1 00	Belt tightener pulley, wood	B. and B. & H.
44N	25	" " " flange	"
45	6 00	Grain shaft pulley, 17 inch diameter, flanged	B. & H.
46	5 00	Jack " " 14 " " " $1\frac{5}{16}$ bore	"
47	3 50	Reel " " 10 " " "	"
47D	3 50	Drum " " 10 " " " $\frac{7}{8}$ bore	"
48	10 00	Steer wheel, old style	"
49	15 00	Lever balance weight	"
50	15	Sickle guide or button	"
50B	15	" " for No. 78B guard	"
51	50	Outside grain shaft box	"
52	40	Drum shaft bearing box	B. and B. & H.

BENICIA AND BAXTER & HILLS HEADERS



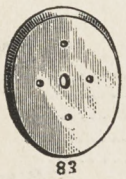




BENICIA AND BAXTER & HILLS HEADERS—Continued

No.	Price.	Name.	Header used on.
53	$ 3 50	(See No. 47)	B. & H.
54	1 25	Shipper column	"
55	25	Sway bar guide	"
56	7 50	Wheel hub, $\frac{5}{8}$ inch spoke	"
57	2 00	Follower flange for No. 56	"
60	4 00	Balance wheel	B. and B. & H.
66	40	Bale clamps for rope, complete	"
69	11 00	Steering wheel with wide flange	B. & H.
72	50	Screw bolt for reel tightener	B. and B. & H.
73	25	" bracket for reel tightener	"
74	25	Nut for reel tightener bolt	"
75	50	Wood support pulley for draper, $4\frac{3}{4}$x$2\frac{1}{2}$ in	B
76	10 00	Steering wheel, 4 inch face	B. and B. & H.
78A	15	Malleable guard for old style sickle	B. & H.
78B	15	" " rev. sickle, 4 inch section	B. and B. & H.
78E	15	" " " 3 "	B
79A	20	" " center for old style sickle	B. & H.
79B	20	" " " rev. sickle, 4 inch section	B. and B. & H.
79E	20	" " " " 3 "	B
80	30	Tightener box only, for draper	B
82	15	Drum shaft washers	B. and B. & H.
83	50	" flange, plain	"
83A	60	" " with hub	B. & H.
84M	18 00	Large bevel wheel, (out of use)	"
85	2 00	Pinion for bevel wheel, 13 cogs, $1\frac{7}{16}$ bore	"
$85\frac{1}{2}$	2 00	" " 13 " $1\frac{7}{16}$ " key seated	B
86	1 00	Spout hinge for sill end	B. & H.
87	1 00	" for sickle bar, also numbered 104	"
88	1 00	False box, sickle end	"
89	1 00	" sill end	"
90	3 00	17 inch chain wheel for grain shaft	"
91	2 75	13 " " jack shaft, $1\frac{5}{16}$ bore	"
92	1 50	8 " " reel or drum shaft $1\frac{3}{16}$ bore	"
94	50	Friction crutch for No. 92	"
95	25	Guides for sway bar	B. and B. & H.
99	50	Collar for jack shaft	"
100	10 00	Balance weight	B. & H.
101	2 00	Clutch for No. 85 or No. $85\frac{1}{2}$ pinion, 4 inch long	B. and B. & H.
101N	2 00	" " 150 pulley, 3 inch long	"
102	1 50	Truss rod cap or holder	"
103	1 00	False box for sickle bar	"
104	1 00	Spout hinge for sickle	B. & H.
105	10 00	Main wheel hub	"
105N	10 00	Grain "	"
108	12 00	Bevel wheel, 144 cogs, $2\frac{1}{16}$ bore	"
110	10 00	Truss rod washer	B. and B. & H.
111	11 00	Large sheave steering wheel	"
112	75	Flanged draper roller thimble	"
113	75	Plain " "	"
115N	75	Shipper support	"
117	2 00	Sickle connection, old style for sickle	B. & H.
118	2 50	" " sway bar	"
119	1 00	" wrought iron, for sickle	B. and B. & H.
120	2 00	" " " sway bar	"
120N	2 00	" " " "	"
123	3 50	Belt tightener, complete, with arm and ratchet	"
124	75	" ratchet	"
125	15	Wrought iron finger guard, $\frac{1}{2}$x$\frac{3}{8}$	B. & H.
126	20	(See No. 78A)	"
127	25	(" 79A)	"
128	3 00	Wrought iron center rack for sickle bar	"
129	3 00	Malleable " " " 79A guards	"
129B	3 00	" center rack, with No. 79B guard	B. and B. & H.
129E	3 00	" " " 79E "	"

BENICIA AND BAXTER & HILLS HEADERS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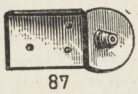
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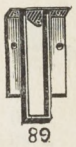
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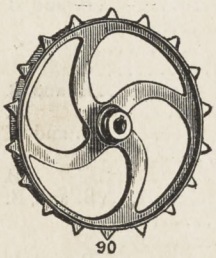
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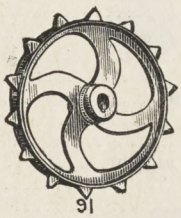
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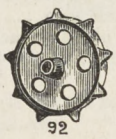
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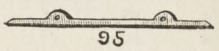
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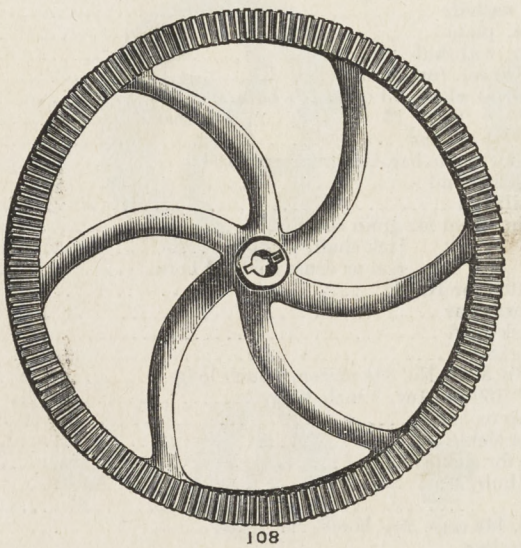
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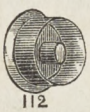
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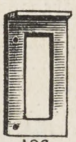
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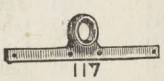
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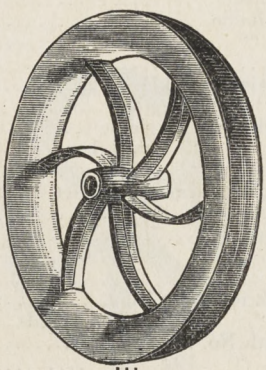
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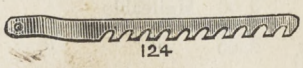

124

BENICIA AND BAXTER & HILLS HEADERS—Continued

No.	Price.	Name.	Header Used On.
131	$0 30	Growser for ground wheel	B. and B. & H.
132	75	Traveler pin for Nos. 6 or 6½	B. & H.
133	1 50	Wrist pin, wrought iron, takes 16 and 17 box	"
134	1 50	Shipper for No. 101 clutch, flat iron	"
134N	1 50	" No. 101N " round iron	"
135	16	Malleable header chain, per foot	"
136	2 50	Wood draper roller, complete, with flange rolls	"
137	2 50	" " " " " iron "	"
150	5 00	Jack shaft clutch pulley, 13 in. diameter, 4½ face, 1 7/16 bore	"
152	75	Bracket box for counter shaft	"
159	1 50	Chain wheel " " 8 in. diameter, 15/16 bore	"
160	2 75	" for main " 13 " " 2 1/16 "	"
162	50	Reel hub center	"
164	15	Sickle button	"
165	50	Right hand reel hub	"
165A	50	" " with flange	"
166	50	Left hand "	"
166A	50	" " with flange	"
167	15	Step for reel spoke	"
168	1 25	Right hand reel box	"
169	1 25	Left " "	"
170	3 00	Lever weight	B. and B. & H.
171	2 50	8 inch pulley for double draper	"
172	2 25	7 " " "	"

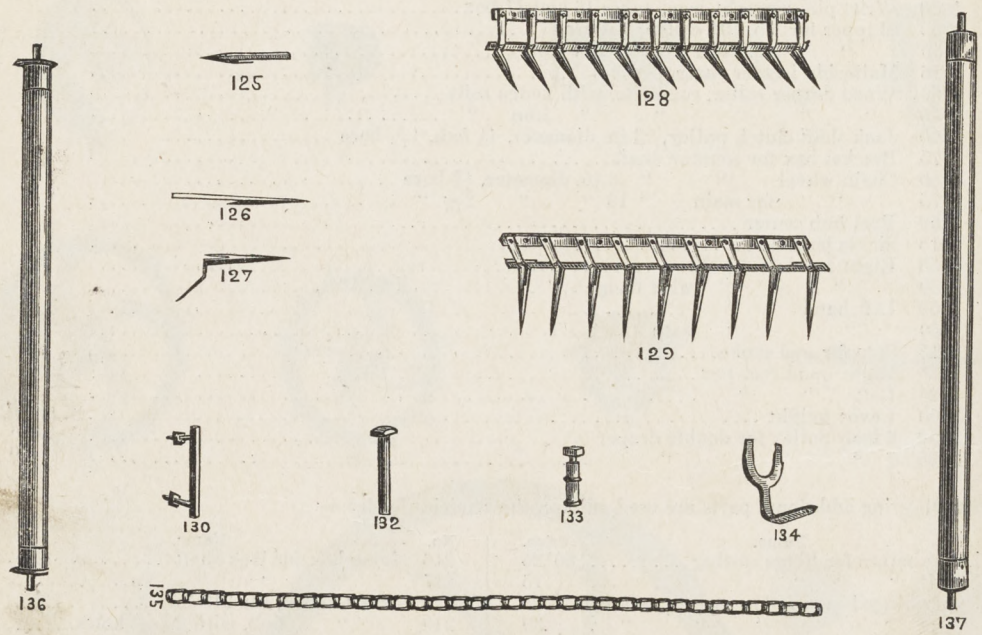
The following additional parts are used only on the Benicia Header:—

No.	Name.	Price.
174	Large button for hinge casting	$0 25
175	Small " " " "	15
176	Upper hinged casting for steering wheel	25
176N	" " " " "	30
177	Lower " " " " "	30
177N	" " " " "	50
178N	Steering wheel standard on pole	3 50
179	Traveler, with shaft, straight face	1 50
179N	" " bevel "	1 50
180	" stand, with caps	1 50
181	" " cap	25
182	Steering wheel, 5 inch face	11 00
183	" " box	1 00
184	Eccentric wheel for chain balance	1 75
185	Lever adjusting spring	3 00
186	Bevel wheel, fits 187 hub	10 00
187	" hub, with 3 bolt holes	3 00
188	" " flange, with 3 bolt holes	1 00
189	Frame for stand No. 180, small	50
190	" " No. 180, large	2 00
191	Bevel washer for brace rod	15
192	Jack shaft pulley, plain, 4½ in. face, 14 in. diameter	5 00
193	Counter shaft pulley, 4 in. face, 10 in. dia.	3 50
194	" " " 4½ " 10 "	3 50
195	" " " 5 " 10 "	3 50
196	Reel " " 4 " 9 "	3 00
197	" " " 4½ " 9 "	3 00
198	" " " 5 " 9 "	3 00
199	Drum " " 4 " 9 "	3 00
200	" " " 4½ " 9 "	3 00
204	Grain wheel hub	6 50
205	Main " "	8 00
206	Flange for draper traveler	40
207	Shipper slide or rest	50
208	Torsion spring ratchet	2 00
209	Secret box for sickle bar	1 50
210	Bridge for divide board	20
211	Secret box for sill	1 00
212	Spout hinge for sickle bar	1 50
213	" " sill	50
214	Bracket box for jack shaft	1 50
215	" " " cap	75

No.	Name.	Price.
216	Long box for jack shaft	$2 00
217	" " " cap	1 75
218	Master gear, fits 219 hub	10 00
219	" hub, with 2 bolt holes	3 00
220	" hub flange, "	1 00
221	Long box for counter shaft, with nut	1 25
222	Short " " "	75
223	Truss rod cap	1 50
224	Steering wheel, complete	20 00
225	Chain wheel for pitman....for 8 ft. Hdr.	3 75
226	Counter shaft box " "	1 00
227	" " bracket box " "	2 00
228	" " " cap " "	50
229	" " clutch pulley, 11x3¼ " "	4 00
230	Clutch for 229 pulley " "	2 00
231	Drum shaft pulley, 8x3¼ " "	2 50
232	Reel " " 8x3¼ " "	2 50
222	Main " " 14x3¼ " "	3 00
234	Wheel shaft boxes, babbitted " "	1 50
235	Traverse roller frame " "	1 25
236	" " stand " "	1 25
237	" " and shaft " "	1 25
238	" " caps " "	25
239	Box for back sill, babbitted " "	1 50
240	Cap for 239 box " "	1 00
241	Jack shaft box for front sill " "	1 50
242	Cap for 241 box " "	1 00
243	Chain idler " "	1 00
244	Master gear " "	10 00
245	" hub " "	3 00
246	" " flange " "	1 00
247	" pinion " "	2 00
248	" " clutch " "	2 00
249	Chain wheel for counter shaft 13 inch " "	2 75
250	Truss rod cap " "	1 00
251	Flange for idler, each " "	25
254	" pulley, 6½x2⅝	1 75
255	" " 8x2⅝	2 00
260	Grain wheel hub, 1890	7 00
261	Main " "	8 50

BENICIA AND BAXTER & HILLS HEADERS—Continued

MISCELLANEOUS PARTS



BENICIA

Name.	Price.
Main wheel shaft, 1883 to 1885	$ 7 00
" shaft, 1886	7 00
Grain wheel shaft, 1883 to 1885, double gear	7 00
" " 1883 " 1885, single "	3 50
Jack shaft grain wheel side double gear	6 00
" main " "	6 00
" grain " " 1885	6 50
" main " " 1885	6 50
" loose pulley, single gear, 1883-4	7 00
" " " 1885	7 50
" " 1886	7 00
Counter shaft for reel, 1883–4	2 50
" " 1885	2 50
Axle steering wheel, short, for 10–12 feet	1 50
" " long " 14–16 "	1 50
Drum shaft, $\frac{7}{8}$ square	2 00
" " " for double draper	2 25
Drive " " " "	1 50
Short " " " "	1 25

BAXTER & HILLS

Name.	Price.
Main wheel shaft for 10, 12, 14, 16 foot	$ 7 00
Grain " " 10 foot single gear	7 00
" " " 12 " "	8 00
" " " 14 " "	9 00
" " " 10 " double gear	8 00
" " " 12 " "	9 00
" " " 14 " "	10 00
" " " 16 " "	11 00
Jack shaft for grain wheel side for double gear	6 00
" " main " " "	6 00
" " single gear tight pulley	7 00
" " " loose "	7 00
Drum shaft, $\frac{7}{8}$ square	2 00
" $\frac{7}{8}$ round, for 3 pulleys, old style	1 50
Drive shaft for double elevator	1 50
Short " " "	1 25

When ordering following parts give name of header.

Reel shaft for 8 foot	$ 2 50
" " 10 "	2 75
" " 12 "	3 00
" " 14 "	3 50
" " 16 "	4 00
Main ground wheel for 8 and 10 foot	45 00
" " 12 " 14 "	50 00
" " 16 foot	60 00
Grain ground " 8, 10 and 12 foot	25 00
" " 16 foot	35 00

Chain bail for spout	$ 3 75
Jackstaff for raising lever	3 50
Sway bar, ironed, to drive sickle	7 50
Pitman, "	5 00
Brace, from frame to elevator, ironed	3 50
Pipe shaft, in elevator, for rollers	50
Divider board	1 50
Little Giant balance spring, 2 leaf	10 00
" " 3 "	15 00

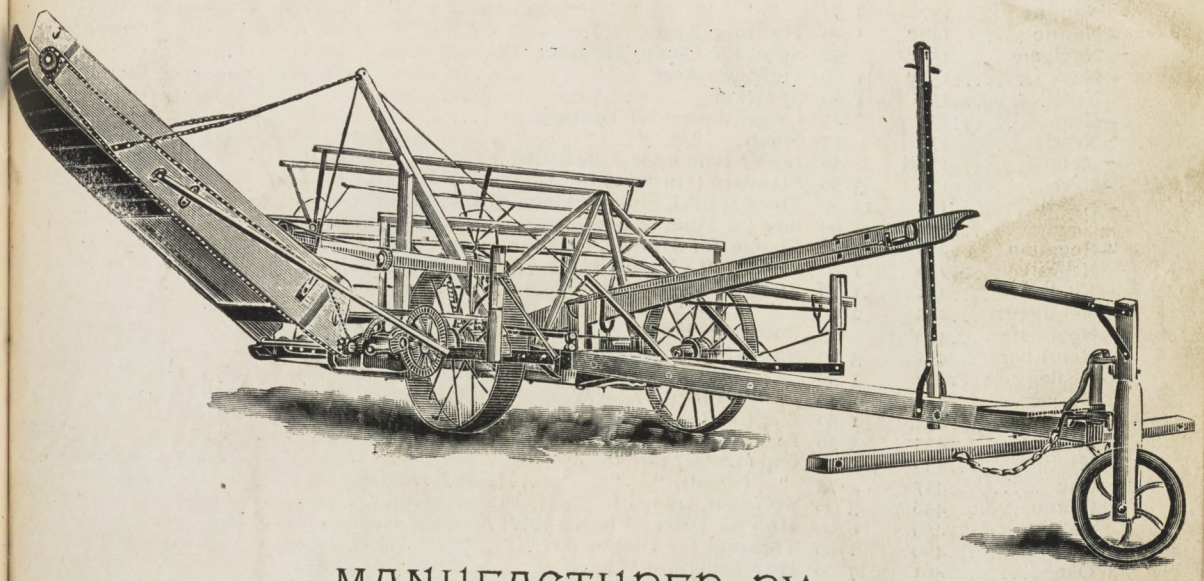
See special lists for drapers, finger beams, sickles, sections, belting, etc.

REPAIR LIST

—FOR—

BAKER & HAMILTON'S,

Steel Frame Reader.



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BENICIA, CALIFORNIA.

Repair Parts

—FOR—

BAKER & HAMILTON, STEEL FRAME HEADERS.

MATERIAL: C—Cast; M—Malleable; S—Steel: I—Iron; B—Brass; W—Wood.

CIPHER.	NO.	PRICE.	DESCRIPTION.	MATERIAL.
Nag	18	$ 50	Box for Sway Bar	C
Nail	19	50	" " " "	C
Naive	30	60	Tightner Screw and Nut	C & I
Napkin	52	40	Box for Drum Shaft	C
Narrow	73	25	Bracket for Reel Tightner	"
Natch	76	10 00	Tiller Wheel, Single Flange, 4 inch Face	"
Nation	80	25	Box, Only for Draper Tightner	"
Native	112	75	Flanged Thimble for Draper Roller	"
Natural	113	75	Plain " " " "	"
Nature	136	2 50	Wood Draper Roller with Flanged Thimbles	W & C
Naught	137	2 50	" " " " Plain "	"
Nautic	148P	1 00	Tightner Arm	C
Navigate	150P	50	Spool for Chain Tightner	"
Navy	153P	1 00	Tightner Arm	"
Neal	159	1 50	Sprocket	"
Neap	174	25	Large Button for Hinge	"
Nearly	175	15	Small " " "	"
Nebula	177N	50	Lower Hinge for Tiller Wheel	"
Neck	178	3 50	Standard (On Pole) for Tiller Wheel	"
Needle	182	11 00	Tiller Wheel, Single Flange, 5 inch Face	"
Needy	183	1 00	Box for Tiller Wheel	"
Negation	206	40	Flange for Draper Traveler	"
Negative	220	1 00	" " Master Gear Hub	"
Neglect	254	1 75	Flanged Pulley	"
Negligent	255	2 00	" "	"
Negotiate	420	15	Button for Sickle Bar	"
Neighbor	451	3 00	Spur Gear	"
Neology	452	1 50	" Pinion	"
Nerve	453	1 50	Clutch for Spur Gear	"
Nervous	454	1 50	Box for Reel Counter Shaft	"
Nest	455	5 50	Bracket Box, Double	"
Nestle	456	1 25	Cap (Large) for No. 455	"
Oak	457	75	" (Small) " " "	"
Oaken	458	3 00	Sprocket, 28-tooth	"
Oakling	459	8 00	Hub for Drive Wheel	"
Oakum	460	1 00	Tightner for Draper Box	"
Oar	461	7 00	Hub for Grain Wheel	"
Oarsman	462	50	Box for Reel, R. H	"
Oary	463	50	" " " L. H	"
Oasis	464	1 50	Sprocket	"
Oat	465	50	Reel Hub, 8-Spoke, Plain	"
Oaten	466	60	" " " Winged	"
Obdurate	467	1 75	Pinion for Crown Gear	"
Obdure	468	5 50	Crown Gear	"
Obedient	469	9 00	Weight for Lever	"
Obelisk	470	1 00	Latch Holder for Lever	"
Obelus	471	1 25	Cap for Truss Frame, 10 & 12-ft	"
Oberon	472	75	Cap for Drive Wheel Axle Box	"
Obese	473	50	Box " " " " "	"
Obesity	474	75	Cap for Grain " " "	"
Obey	475	50	Box " " " " "	"
Obeying	476	1 75	Cap for Drive Wheel Axle Box, Inside	"
Obit	A476	1 75	" " " " " "	"
Obituary	477	75	Box " " " " Inside	"
Object	A477	75	" " " " " "	"
Objection	478	1 25	Sprocket for Draper	"
Objector	479	1 00	" " Top Draper	"
Oblate	480	1 00	Clutch for Draper Socket	"
Oblation	481	50	Collar " " Shaft	"
Obligate	482	75	Roller " "	"
Obliging	483	25	Latch Handle	"
Oblique	484	1 75	Double Box for Back Board	"
Obliterate	485	75	Cap (Small) " No. 484	"
Oblivion	486	1 00	" (Large) " " "	"
Oblong	487	30	Small Plate for Tiller Post	"
Obnoxious	488	70	Large " " " "	"
Obolus	489	75	Lug for Tiller Wheel	"

CIPHER.	NO.	PRICE.	DESCRIPTION.	MATERIAL.
Oborate	490	2 00	Hinge	C
Obrogate	491	1 25	Tightner Holder on Finger Beam	"
Obscure	492	2 00	Bracket Box for " "	"
Obscurity	493	75	Cap for No. 492	"
Observe	494	1 75	Sprocket for Reel Counter Shaft	"
Observing	495	1 50	" " " Shaft	"
Obstinate	496	2 00	Disc for Pitman	"
Obstruct	497/498	40	Tiller Block	"
Obtain	498	40	" "	"
Obtaining	499	1 00	Sprocket for Drum	"
Obtrude	500		Tiller Block Pitman — Cinch Bolts	
Obtrusive	501	60	Hub for Reel, 10-Spoke, Winged	C
Obtuse	502	60	" " " 10 " Plain	"
Obtusion	503	1 25	Cap for Truss Frame, 14 & 16-ft	"
Obverse	504	75	Shield for Crown Pinion	"
Obvert	505	1 25	" " Sickle Bar Crank	"
Obviate	506	50	Idler for No. 468	"
Obvious	507	75	Bracket for No. 506	"
Occasion	508	3 00	Hub for Crown Wheel No. 509 — 22 Teeth	"
Occident	509	5 50	Crown Wheel	"
Occiput	510	1 00	Solid Box for Draper Roll & Jack Shaft	"
Occlude	511	90	Box for Jack Shaft	"
Occluse	512	60	Solid Box for Draper Roller	"
Occult	513	1 00	Box for Jack Shaft	"
Occupation	514	75	Cap for No. 513	"
Occupy	515	2 00	Pitman Disc for Center Drive	"
Occur	515A	2 00	" " " End "	"
Occurrence	516	2 50	Pulley	"
Occurrent	517	3 00	" 9 inch Diameter, 4 inch Face	"
Occursion	518	3 50	" 10 " " 5 " "	"
Ocean	519	11 00	Tiller Wheel, Double Flange	"
Oceanic	520	8 00	Hub for Drive Wheel	"
Ocellated	521	50	Collar for Main Axle	"
Ocelot	522	25	Flange for Spout Support	"
Ocher	523	1 50	Box for Reel Counter Shaft	"
Ocherous	524	75	" " " " "	"
Octagon	525	3 00	Sprocket	"
Ocular	O	35	Foot Socket for Truss Frame	"
Oculate	H	35	Lug for Clutch Shifter	"
Oculist	X	25	Tightner Nut for Reel Box	"
Oddity	K7	35	Box	"
Oddly	7E	15	Guard for Steel Finger Beam	M
Oddness	78E	15	" " " " "	"
Odorate		1 00	Box for Pitman	B
Odorin		25	Cap to Cover Oil Hole	"
Odorous		50 00	Main Ground Wheel	I
Offence		35 00	Grain " "	"
Offend		2 50	Jack Shaft	S
Offender		5 00	Main Wheel Shaft, (State Length)	"
Offensive		2 50	Grain " "	"
Offer		3 50	Pitman Shaft	"
Offering		1 00	Reel Counter Shaft	"
Office		75	Steer Wheel "	"
Officer		1 00	Top Draper "	"
Official		2 00	Drum "	"
Officiate		3 00	Reel Shaft for 10-ft	I
Offing		3 50	" " " 12-ft	"
Offset		4 00	" " " 14-ft	"
Oiliness		4 50	" " " 16-ft	"
Oiling		15 00	Balancing Spring, "Little Giant"	S
Oilman		2 00	Knife Head for End Drive	"
Oilnut		1 00	" " " Center Drive	"
Oily		1 50	Pole Hinge, Bolts to Frame	I
Ointed		1 25	Wrist Pin	S
Ointment		75	Clutch Shifter for No. 453	I
Older		75	" " " " 480	"
Oldish		25	Latch Bolt (Works in No. 470	S
Oleate		20	" " Spring	B
Olefiant		30	Draper Spring	S
Oleic		30	" Support	"
Oleon		3 50	Jackstaff	W
Olfact		20	Reel Spoke	"
Oliban		25	Reel Slats, 10-ft	"
Olid		30	" " 12-ft	"
Oligist		35	" " 14-ft	"
Olive		40	" " 16-ft	"
Olivine		20 00	Finger Beams, 10-ft	S
Omega		24 00	" " 12-ft	"

CIPHER.	NO.	PRICE.	DESCRIPTION.	MATERIAL.
Omelet		28 00	Finger Beams, 14-ft	S
Omem		32 00	" " 16-ft	"
Omentum		7 50	Drum, Large	W
Ominate		5 00	" Small, for Top Draper	"
Ominous		50	Wood Idler	"
Omission		7 50	Sway Bar, Ironed	W & I
Omissive		4 00	" " Wood Only	W
Omit		2 25	Pitmans, Long or Short, for E. D. Complete, (State Which)	W & I

DRAPERS,
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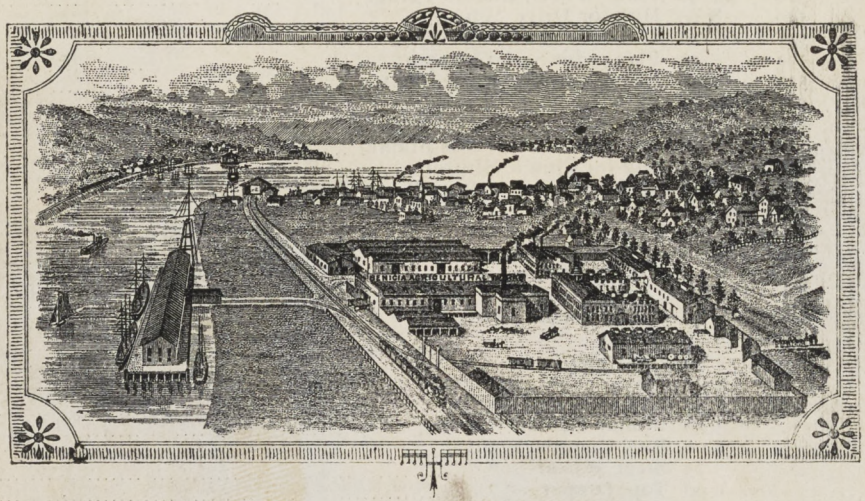
SICKELS,
SICKLE SECTIONS,
" " RIVETS.

☞ See Special Lists.

HEADQUARTERS

—FOR—

SPECIAL REPAIRS



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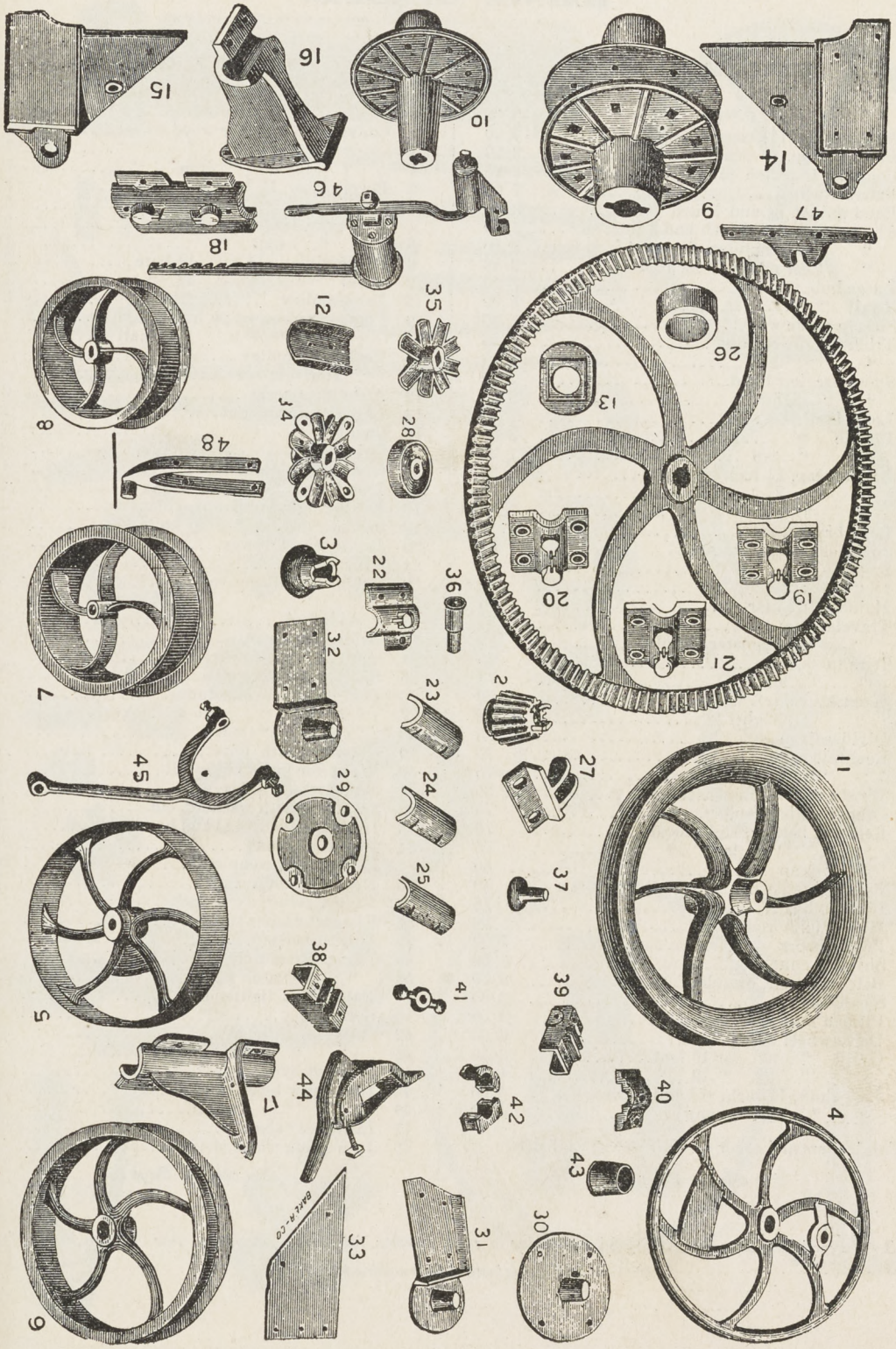
Largest Stock on the Coast.

BAKER & HAMILTON,

SAN FRANCISCO, SACRAMENTO, LOS ANGELES, NEW YORK.

MANUFACTORY, Benicia Agricultural Works, Benicia.

HAINES' SINGLE GEAR HEADER



HAINES HEADERS

SINGLE GEAR

No.	Name.	Price.
1	Master gear, 144 cogs	$12 00
2	Bevel pinion, 13 cogs, 1 3/16 bore	2 25
3	Coupling to match pinion	1 25
4	Balance wheel	7 00
5	Band pulley, 3½ and 4 inch face	3 50
6	Flanged pulley, 15 inch and 4 inch face	3 50
7	" Draper pulley, 3½ and 4 inch face.	2 50
8	" Reel pulley, 3 inch face	2 50
9	Large hub	7 50
10	Small "	5 00
11	Sheave guide wheel	7 50
12	Tiller handle casting	1 25
13	" " cap	75
14	Spout ear, left hand	2 25
15	" " right "	2 25
16	Long bracket	2 75
17	Double "	3 00
18	" " cap	1 25
19	Bracket cap, 1½ inch girt	1 25
20	" " 2 "	1 25
21	" " 2 "	1 25
22	Long bracket cap	1 25
23	2 inch shaft box, bottom	50
24	2 " " "	50
25	1⅝ " " "	50
26	Main shaft collar	50
27	Traveler jaw	75
28	" 4½ diameter, ⅝ hole	50
29	Turn table, top	75
30	" " bottom	75
31	Spout hinge, left hand	1 50
32	" " right "	1 50
33	Divider iron	75
34	Reel hub ends	75
35	" " centers	75
36	Wrists, to rivet in wheel	1 25
37	Draper pulley centers	75
38	Reel box bottom, right hand	75
39	" " " left "	75
40	" " cap	50
41	Reel tightener nut	50
42	Pitman box	75
43	Middle joint rod pulley	50
44	Lever spring, complete	4 00
45	Shipper clutch	4 00
46	Belt tightener, complete	8 00
47	Sickle-heel	2 00
48	Pitman neck	2 50
49	Drive wheel axle	6 00
50	Grain " " for 10 foot	3 50
51	" " " " 12 "	4 50
52	Jack shaft, 1⅛ inch, old style	4 00
53	" " 1½ " new "	6 00

For drapers and other specials, see special lists.

For cuts see Page 151.

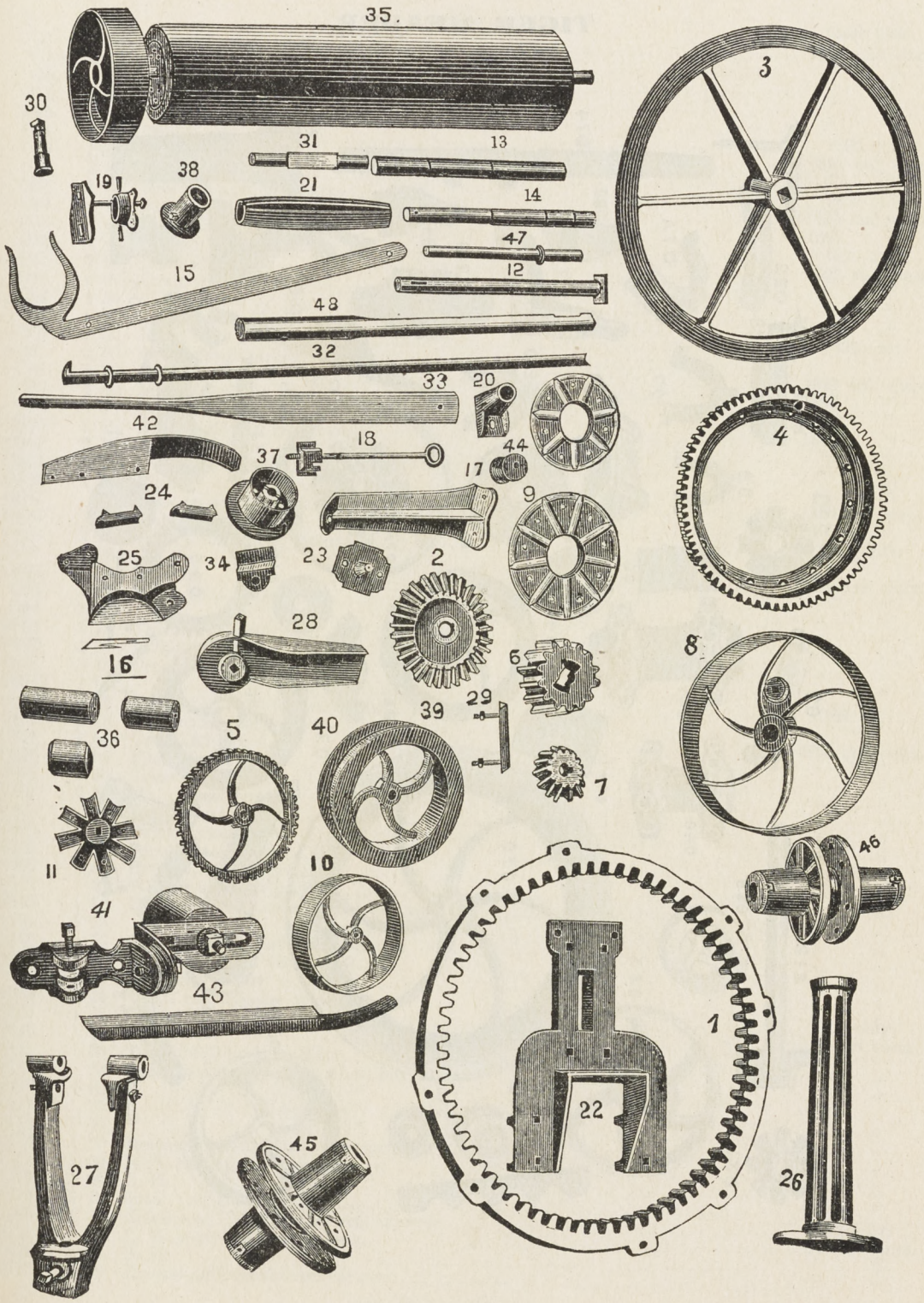
DOUBLE GEAR

No.	Name.	Price.
1	Converge, 8 lugs, for wood wheel	$ 7 00
1	" 9 " " " "	7 00
1	" 10 " " iron "	7 00
2	Bevel wheel, 1⅜ bore	2 25
3	Guide "	5 00
4	Reel gear, large wheel	2 25
5	" " small "	1 50
6	Large pinion, 14 cogs, 1⅜ bore	2 00
7	Bevel " 14 " 1⅛ "	1 25
8	Large pulley	3 00
9	Flange for iron screw hub, large	1 00
	" " " " small	1 00
10	Reel small pulley	50
11	" hub	75
12	Axle for wheels	2 00
13	Large pinion shaft	2 50
14	Small " "	2 25
15	Shipper	2 00
16	Guards, per dozen	1 75
17	Iron braces for tongue	1 50
18	Draper tightener irons, complete	1 50
19	Set screws for adjusting bolts	1 00
20	Guide wheel boxes	75
21	Pipe boxes	1 50
22	Bridge tree frame, cast	3 50
22	" " " " with solid boxes, babbitted	8 00
23	Bridge tree cap	15
24	" " follower	10
25	Cast hinges for spout	1 25
26	Iron guide wheel column	4 00
27	" " " yoke and boxes	5 50
28	" " " cap	2 00
29	Growsers with nuts	50
30	Wrist for large pulley	1 25
31	Guide wheel axles	1 50
32	Joint rod with washers, etc.	2 50
33	Iron guide wheel shafts handle	1 00
34	Reel shaft box	1 00
	Bridge tree, complete	20 00
35	Draper drum	7 50
36	Draper roller, 6x2½ inch	10
37	Flanged draper roller	75
38	Hub thimbles	75
39	Flanged reel pulley	2 50
40	" elevator pulley	2 50
41	Patent belt tightener	3 00
	Springs	50
42	" with iron	1 25
43	" " wood	1 25
44	Rope sheave	75
45	Iron screw hub, large	5 00
46	" " small	3 00
47	Little gear shaft	2 00
48	Iron guide wheel shaft	3 00

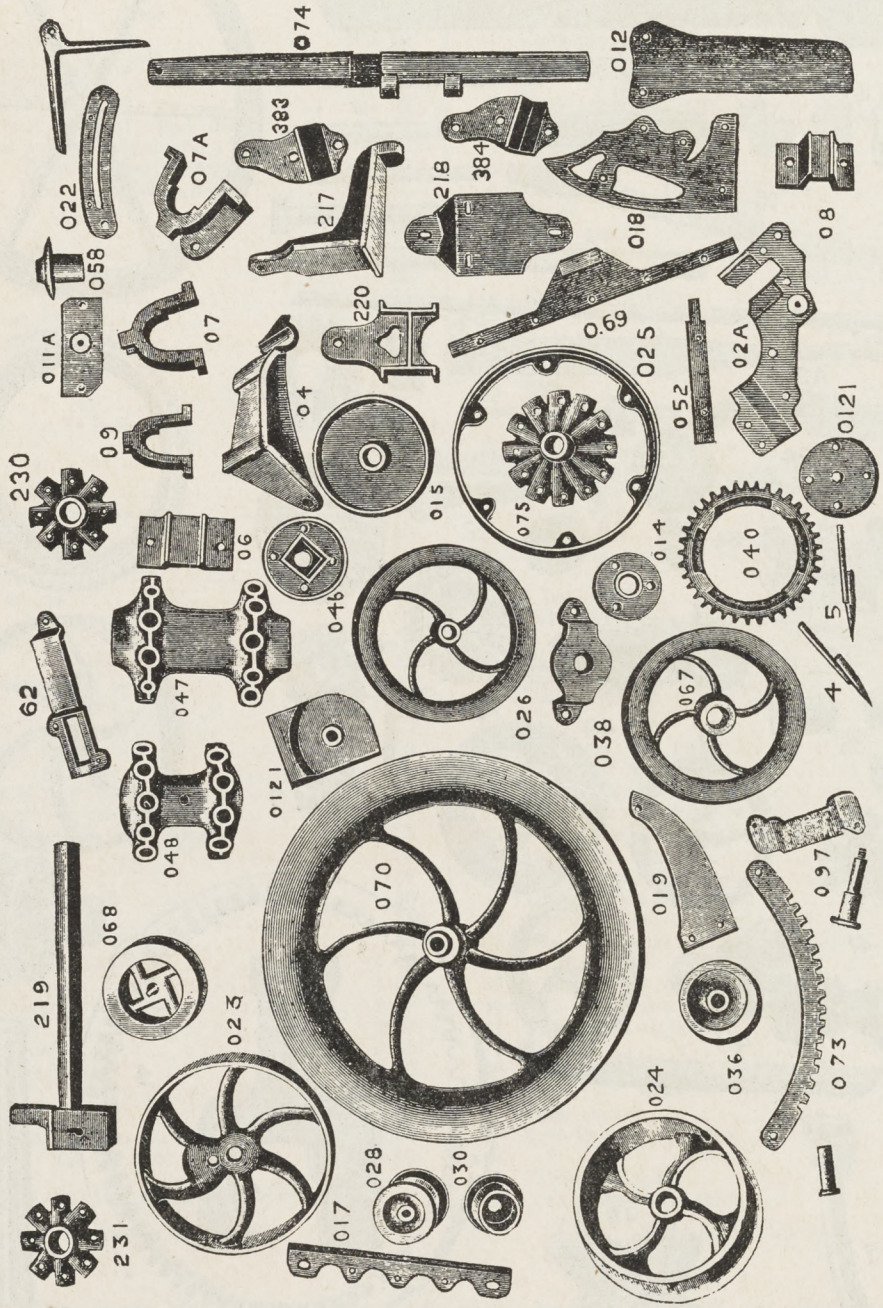
For cuts see Page 153.

N.B.—In ordering Header Extras, be particular to state whether for Double or Single gear Header, and of whose manufacture the machine is.

HAINES DOUBLE GEAR HEADER



TIGER HEADER

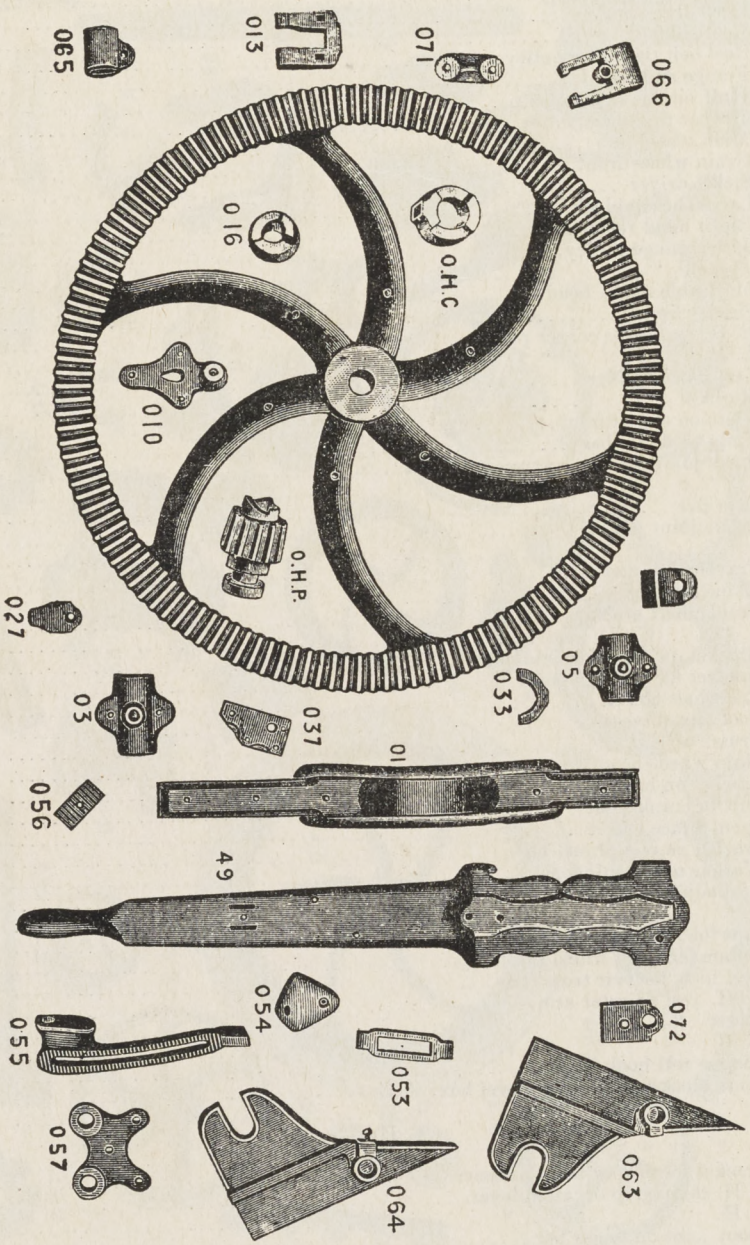


TIGER HEADER

No.	Price.	Description.	Years Used.
O7	$2 00	Main box cap, outside	1892 and since.
O7A	2 00	" "	" "
O9	1 50	Grain wheel cap	" "
O12	2 00	Tongue brace	" "
O16	1 50	Crank shaft clutch, $1\frac{5}{16}$ bore	" "
O24	5 00	Draper pulley	1892 only.
O25	2 50	Reel drive pulley	1892 and since.
O26	3 50	Reel shaft "	" "
O28	1 75	Reel belt tightener pulley	1892 only.
O30	75	Flange and ferrule	1893 and since.
O33	20	Half circle for shipper	1892 "
O36	2 50	Draper tightener pulley	1892 only.
O47	9 00	Main wheel hub	1892 and since.
O48	6 00	Grain wheel hub	" "
O52	1 50	Sickle driver	" "
64	1 25	Large sheave block	" "
O65	1 50	Right hand reel box	1892 only.
O67	2 50	9 inch flange pulley	"
O68	2 75	$4\frac{3}{4}$ inch " "	1893 and since.
O69	1 50	Malleable sickle head	1892 "
O75	1 50	Sickle clip cap	1893 "
OS80	2 50	R. H. malleable corner piece	1892 "
OS81	2 50	L. H. " "	" "
OS82	1 75	Left hand divider	" "
OS83	1 75	Right "	" "
OS84	75	Plate on end of front	1893 and since.
OS85	75	Plate on finger bar	1892 "
OS86	2 25	Spout joint for two canvassers	1892 only.
OS87	2 25	" " "	"
OS88	2 50	Traveler	1892 and since.
O63	1 50	Spout joint plate	" "
O64	1 50	" "	" "
OS89	1 75	Traveler bracket	" "
OS90	4 50	12 inch pulley	" "
OS91	3 50	Crank shaft bracket	" "
OS91½	1 00	" " cap	" "
OS92	3 50	Bracket on back for crank shaft	1892 only.
OS93	1 75	Bracket for reel bar post	"
OS94	1 50	Reel shaft box	1892 and since.
OS95	1 00	Foot truss braces	" "
OS96	1 50	Truss rod cap	" "
OS97	2 50	Main wheel box	" "
OS98	75	Bracket on back	" "
OS99	1 50	Cup for crank shaft	" "
OS100	75	Spout brace eye	" "
OS101	50	Bracket on end of reel bar	" "
OS102	25	Washer under shipper	" "
OS103	1 75	Reel adjuster bracket on reel bar post	" "
OS104	1 75	" " " back	" "
OS105	75	Caps for reel adjuster bracket	" "
OS106	1 00	Collars for main wheel shaft	" "
OS107	1 50	Reel hubs for four truss rods	" "
OS108	1 25	L. H. reel adjuster arm	" "
OS109	1 75	Center " "	" "
OS110	1 25	R. H. " "	1892 only.
OS111	1 50	Tongue roll hook bracket	1892 and since.
OS112	75	Truss block under grain wheel box, R. H	" "
OS113	1 00	" " " " L. H	" "
OS114	75	" " main " R. H	" "
OS115	1 00	" " grain " L. H	" "
OS116	1 50	Bracket for draper belt tightener	" "
OS117	1 00	R. H. chain grip on main lever	" "
OS118	1 00	L. H. " "	" "
OS119	1 75	Spout joint on finger bar	" "
OS120	1 00	Bracket on main lever for reel adjuster	1892 only.
OS121	75	L. H. truss block under back	1892 and since.
OS122	75	R. H. " "	" "
OS123	1 50	Bracket on front for reel bar post	" "

Continued on Page 157.

TIGER HEADER



TIGER HEADER—Continued

No.	Price.	Name.	Years used.
OS124	$2 00	Spout joint on front, two canvasses	1892 and since
OS125	1 50	Grain wheel box	"
OS126	75	Reel adjuster thimbles	"
OS127	5 00	Crank wheel, 4 inch and 6 inch throw	"
OS133	50	Spreader post in front	"
OS134	50	" for chain	"
OS135	1 50	Reel belt carrier on reel bar	"
OS138	1 75	Lever joint T steel crook, right hand	"
OS139	1 75	" " " left "	"
OS145	3 00	Crank shaft bracket on back	1893 and since
OS146	1 50	" " cap	"
OS152	1 75	Spring bolt case	"
OS155	3 00	Shipper fork	"
OS156	1 00	Nose piece	"
OS158	1 75	Bracket for stop draper	1892 and since
OS159	1 00	Plate on main lever	"
OS160	1 50	Bracket for spring and chain	"
OS161	2 00	Belt tightener on spout	"
OS162	1 50	Plate under tongue	"
382	7 50	Guide wheel	"
383	1 25	Tiller handle clamp	"
384	1 25	" "	"
217	3 50	Pivot bracket on tongue	"
218	1 75	" plate under tongue	"
219	4 00	Guide wheel stem	"
220	1 50	Eye in guide wheel jaws	"

MISCELLANEOUS PARTS

Used in 1892 and since

Name.	Price.
Crank wheel shaft, $1\frac{3}{8}$ in. x 5 ft. 6 in.	$ 7 50
Main " $1\frac{5}{16}$ in. x $25\frac{1}{2}$ in	6 00
Grain " $1\frac{7}{16}$ in. x $16\frac{3}{4}$ in	4 50
Reel shaft, gas pipe, 12 ft	4 00
Wrist pins, $1\frac{1}{4}$ in. by $1\frac{1}{2}$ in., turned	2 50
Stud " $1\frac{1}{8}$ in	1 75
Brass Pitman box	1 00
Spout bail	1 50
Tongue roll hook, short	1 00
" " long	1 00
Main wheel stirrups	1 25
Pitman strap	1 25
Pitman block hook	75
Truss rods	1 00

Name.	Price.
Rope bar rod	$ 1 00
Shipper rod	2 00
" fork, complete	4 00
Connection between shipper rod and fork	1 25
Draper tightener screws	50
Reel box tightener screws	1 00
Set screws for sickle clip, head	20
O. H. bevel wheel	12 00
O. H. pinion, 13 cogs, $1\frac{1}{4}$ bore	2 25
O. H. bevel wheel clutch, 2 in. bore	2 00
Growsers, 7 in	50
Sickle sections, 4 in. x $2\frac{1}{4}$ in	08
Guard, No. 8	40
Reel brace rods	50

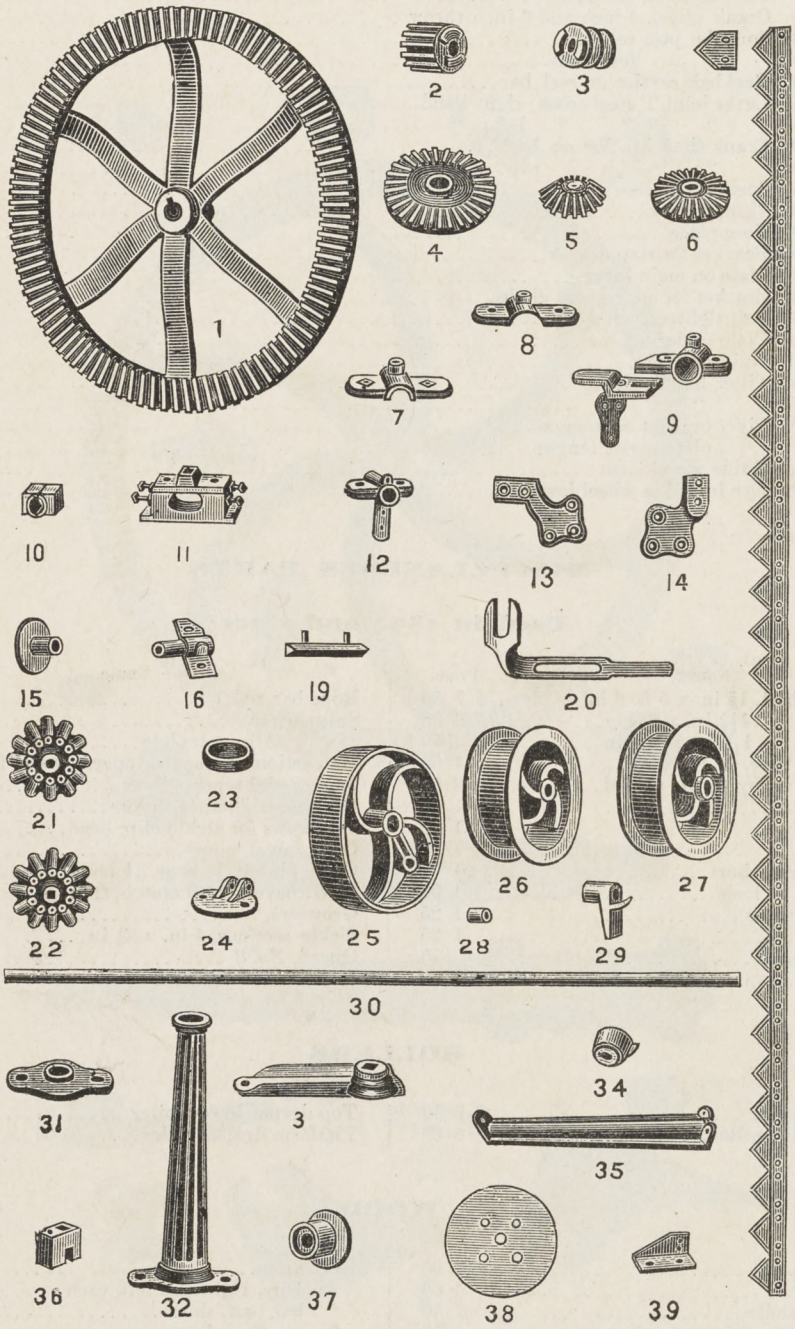
ROLLERS

Draper drum roller	$ 7 50
Top draper drive roller	5 00
Top draper lower roller	$ 4 00
Platform draper roller	2 50

WOOD

Tongue	$12 00
" roll	4 00
Guide wheel handle	1 00
" jaws, right and left, each	1 50
Evener	4 00
Notch post	2 00
Reel slats, 12	30
Reel arms	$ 0 20
" bars, right and left, each	2 50
" bar post, short	1 50
" " long	1 50
" and rope bar post	2 00
Balance bar	4 00
Pitman	3 50

J. I. CASE HEADER



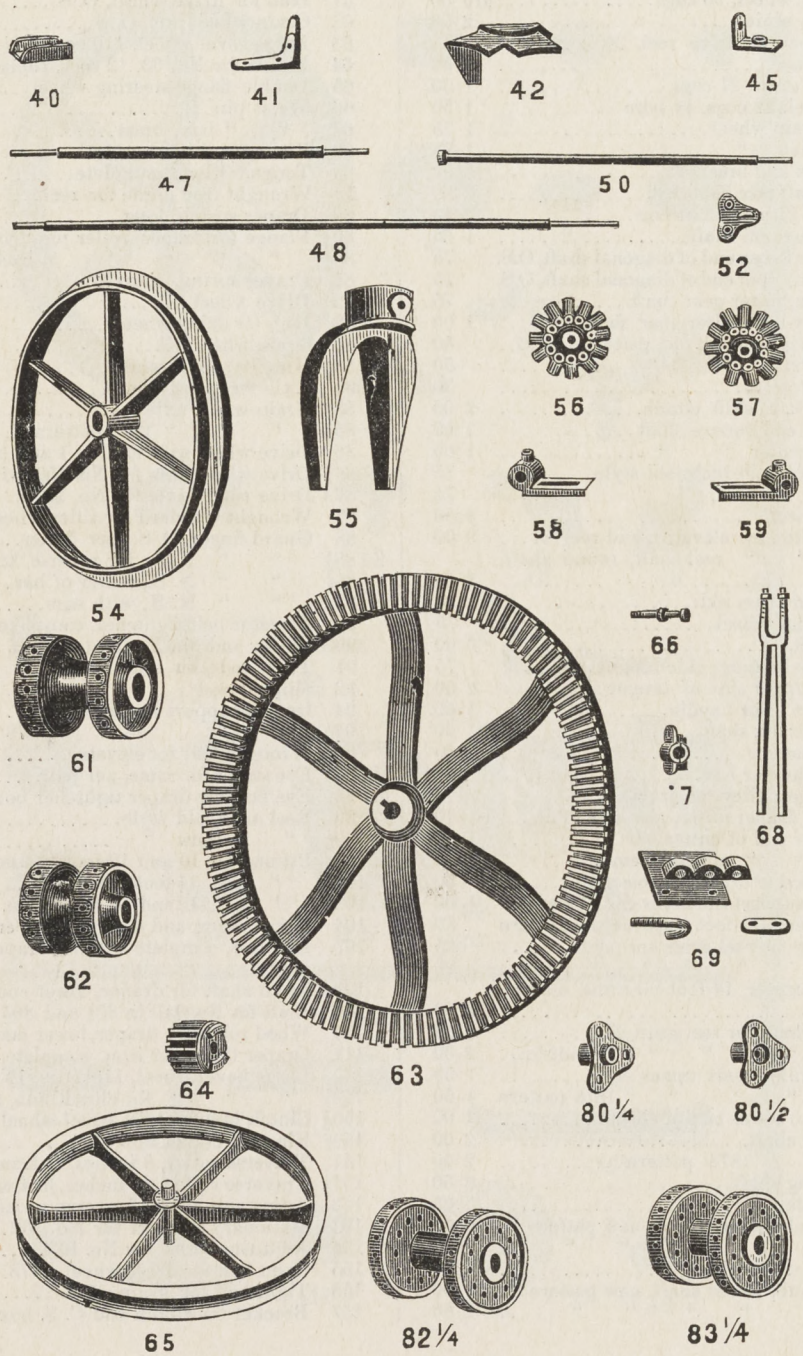
J. I. CASE HEADER

No.	Name.	Price.
1	Large gear wheel, 96 cogs	$10 00
3	Clutch for pinion	2 50
4	Bevel wheel to drive reel, 35 cogs, give size of bore	2 50
5	Pinion for same, 21 cogs	1 50
6	Miter wheel, 28 cogs, $\frac{15}{16}$ bore	1 50
7	Cap for grain wheel	1 75
8	" drive "	1 75
9	Clutch box and bracket	3 00
10	Pitman shaft box babbited	1 00
11	Frame for Pitman shaft box	2 00
12	Box for diagonal shaft	1 25
13	Bracket for lower end of diagonal shaft, O.S.	75
14	Bracket for upper end of diagonal shaft, O.S.	75
15	Flange box, miter gear shaft	75
16	Box, pulley end, miter gear shaft, O. S.	1 00
17	Reel box, right hand, old pattern	50
18	" left " "	50
19	Growser iron	50
20	Shifter fork, to shift clutch	2 00
21	Reel hubs end square shaft	1 00
22	" center " "	1 00
23	Traverse roller, 4-inch, old style	75
24	" stand, "	75
25	Pitman wheel	4 50
26	Flange pulley for elevator, and reel	3 00
27	" " " reel shaft, round shaft, $1\frac{3}{8}$ bore	3 00
28	Thimble for truss rod	15
29	Box for tiller wheel	75
30	Crank shaft	6 00
31	Friction plate under side tongue	75
32	Standard, upper side of tongue	2 50
33	Castings for tiller handle	1 50
34	Collar for crank shaft	1 00
35	Tongue brace	50
36	Draper tightener box	40
37	Small flange pulley for draper	75
38	Flange for draper roller, give size of hole	40
39	Castings for end of cutter bar	50
40	" " " draper frame	50
41	Corner brace to draper frame	50
42	" to support the lower end of elevator	1 00
43	Reel hub, end, 14-foot machine, old pattern	50
44	Corner iron for reel arms and slats	25
45	" " " " " " "	25
46	Reel hub, center, 14-foot machine, old pattern	1 00
47	Diagonal shaft for reel gear	2 00
$47\frac{1}{2}$	" " " " " 1878 pattern	2 00
48	Elevator roller shaft, upper end	1 50
$48\frac{1}{2}$	" " " " " 1878 pattern	1 50
49	Joint rod to lower end of elevator	1 00
50	Miter gear shaft	2 00
$50\frac{1}{2}$	" " " 1878 pattern	2 00
51	Reel raising shaft	6 50
52	Sickle guide	25
53	Tiller wheel, $2\frac{1}{4}$-inch face, new pattern	6 00
54	" " $2\frac{3}{4}$ " " " "	7 00
55	Frame for tiller wheel	5 00
56	End reel hub, round shaft, new pattern	1 00
57	Center " " " " "	1 00

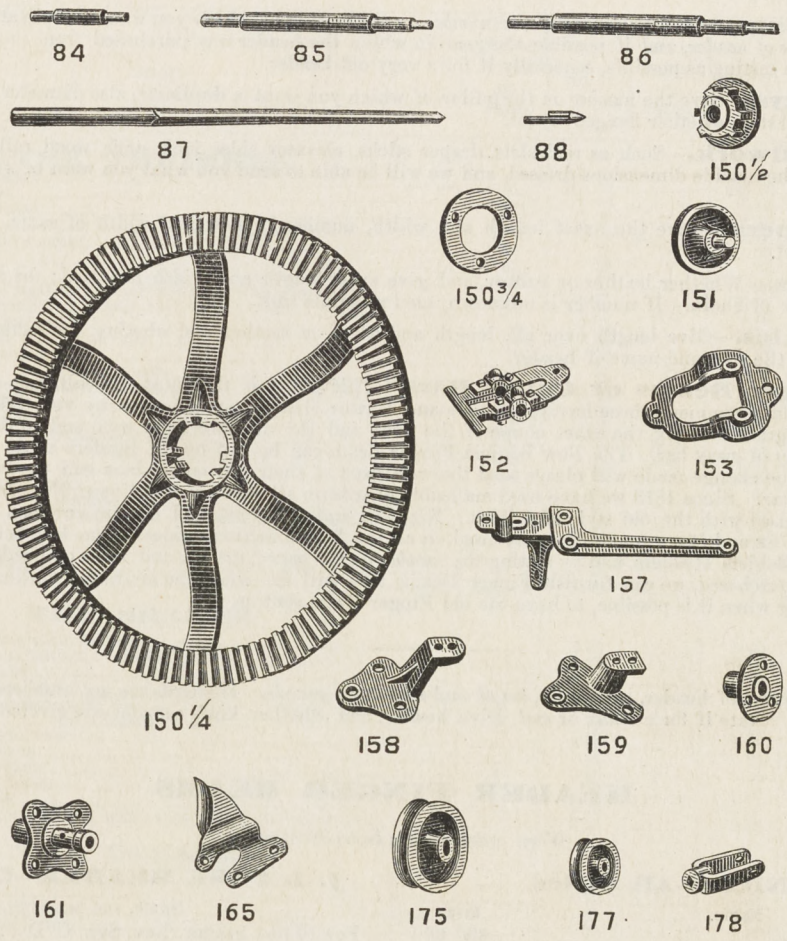
No.	Name.	Price.
61	Hub for drive wheel, O. S.	$ 9 00
62	Grain wheel hub, O. S.	7 00
63	Large bevel wheel, 110 cogs, $1\frac{11}{16}$ bore.	10 00
64	Pinion for No. 63, 12 cogs, replaces No. 2	2 00
65	Double flange steering wheel	7 50
66	Wrist pin	1 25
67	" " box, brass	1 00
68	Pitman fork with nuts	3 00
69	Tongue hinge, complete	2 00
79	Wrought iron circle for reel	1 00
80	Draper spring, long	75
$80\frac{1}{4}$	Flange for draper roller pin, front	1 25
$80\frac{1}{2}$	" " " " " back	1 25
81	Draper spring, short	50
82	Drive wheel	45 00
$82\frac{1}{4}$	Hub for drive wheel	7 50
83	Grain wheel	35 00
$83\frac{1}{4}$	Hub for grain wheel	6 00
84	Axle for tiller wheel	1 25
85	Grain wheel axle	3 00
$85\frac{1}{2}$	" " " 1878 pattern	3 00
86	Drive wheel axle for No. 1 and No. 63	5 00
$86\frac{1}{2}$	Drive wheel axle for No. 150, with pins	5 00
86A	Drive wheel axle for No. $150\frac{1}{4}$	5 00
87	Wrought standard for tiller wheel	2 25
88	Guard finger, O. S., per dozen	1 75
$88\frac{1}{2}$	" " N. S., for reverse knife	15
$88\frac{3}{4}$	" " N. S., center of bar	15
88A	" " N. S., with ears	20
89	Elevator belt tightener, complete	5 00
90	Pulley and pin for tightener	1 00
91	Truss rods, set complete	5 00
92	Shipper rod	1 50
94	Iron to support finger beam	1 25
$94\frac{1}{2}$	" " " 1878 pattern.	1 00
95	Wrought bail for elevator	2 00
96	Eye straps for same, per pair	1 50
98	Eye bolt for draper tightener box	50
99	Reel arms, old style	20
$99\frac{1}{2}$	" " new "	20
103	Pitman for 10 and 12-foot header	4 75
$103\frac{1}{2}$	" " 14-foot header	5 00
$103\frac{3}{4}$	" " 12 and 14-foot sickle	5 00
104	Upper drum and shaft for draper	7 00
107	Elevator, complete without draper, 36-in.	20 00
	" " " " 40-in.	25 00
108	Small shaft for draper, lower end	1 00
109	Shaft for No. 110 in $80\frac{1}{4}$ and $80\frac{1}{2}$	1 50
110	Wood roller for draper, lower end of spout	40
111	Draper tightener iron, complete	1 50
150	Large bevel wheel, 110 cogs, $1\frac{3}{4}$ bore	10 00
$150\frac{1}{4}$	" " " for clutch hub, 110 cogs.	10 00
$150\frac{1}{2}$	Clutch hub for $150\frac{1}{4}$ bevel wheel	3 00
$150\frac{3}{4}$	Ring for clutch hub $150\frac{1}{4}$	50
151	Traverse roller, 5 inches, fit frame 152	1 50
$151\frac{1}{2}$	Traverse roller, $4\frac{1}{2}$ inches, fit frame 152	1 50
152	Adjustable frame for traverse roller	1 25
153	Stationary support for No. 152	1 25
154	Adjusting screw for No. 153	25
155	Open box for drive wheel, 1878	2 50
156	Tight box for grain, 1878	2 00
157	Bracket for clutch end C. S. box	3 00

Continued on Page 161.

J. I. CASE HEADER



J. I. CASE HEADER



No.	Name.	Price.
158	Bracket for lower end diagonal reel shaft, 1878	$1 00
159	Bracket for upper end diagonal reel shaft, 1878	1 00
160	Flange box for miter gear shaft	1 00
161	" pulley end miter gear shaft	1 00
162	Reel box, R. H., with loop for tightener	75
163	" L. H., " "	75
165	Shield to lower reel gear	1 25
166	Guide for reversed sickle	25
167	Iron on sickle vibrating bar, center drive	1 50
168	" " " end drive	1 50
169	Malleable drive head, center of sickle	1 50
170	Malleable drive head, end of sickle	$1 25
171	Flange hub for large draper roller	1 25
175	Sheave on brace for elevator rope	1 00
177	" post " tension "	75
178	Frame for No. 177	75
179	Grooved pulley for chain of balance spring	75
180	Frame for No. 179 pulley	75
181	Balance spring only	3 00
182	Frame for No. 175	2 00
184	Grooved pulley for rope	75
185	Frame for No. 184 pulley	75
186	Drum for elevator, 36 or 40 in	7 00

For Drapers, Finger Beams, Sickles, etc., see Special Lists.

DIRECTIONS FOR ORDERING HEADER REPAIRS

Owing to the numerous improvements made from year to year on headers, also the large number of *special* machines built to suit the ideas of customers, it is necessary to give some important instructions in ordering repairs, so that we can ship the right parts promptly—thereby saving trouble and expense, and the annoyance of receiving wrong parts.

1st. **Castings.**—Observe carefully the *number* on the casting of which you want a duplicate, size of holes in same and *name of header*, and if possible the year in which the header was purchased from us, and as plain a description of the casting as possible, especially if for a very old header.

2d. **Pulleys.**—Give the *number* on the pulley of which you want a duplicate, also diameter, width of face and size bore, and state whether flanged or not.

3d. **Woodwork.**—Such as reel slats, draper sticks, elevator sides, jack staffs, wood rollers and bottom boards; give us the outside dimensions dressed, and we will be able to send you what you want or what will answer your purpose.

4th. **Drapers.**—Give the exact length and width, number of belts and width of same. Also number of buttons desired.

5th. **Belts.**—Whether leather or rubber, and give exact length and width required; for chain belts, *give length and number* of chain. If number is unknown, send a sample link.

6th. **Sickles.**—Give length over all, length and width of section, and whether the section is riveted *on top* or *underneath* the bar, and name of header.

7th **Finger Beams or Cutter Bars.**—This extra is the most difficult one on a header to order. We would recommend those having Benicia and Baxter Headers made before the year 1890 to *send us the old wood* or a diagram showing the exact shape of the wood and the distance from each end to the center of the recess for the play of sway bar. The New Benicia Finger Beam can be put on all headers made since 1878, and parties wishing the change made will please send the wood part of their old cutter bars *and the iron* that goes on the *end* of *sway bar*. Since 1878 we have used malleable guards on all headers as follows: Nos. 78A common and 79A center were used with the old style of sickles. Nos. 78B and 79B were used on the reversed 4 inch section sickle, and Nos. 78E and 79E were and are now used on all the 3 inch section sickles. The last being the style we use on the New Benicia Headers, and by stating the *number on the guard*, the *size* and *name* of header and the year in which it was purchased, we can furnish Finger Beams that will fit—when the above descriptions are complied with. We prefer when it is possible, to have the old Finger Beam sent us.

For other makes of header, give *name, length* and *number on guards*. If guards are not numbered, send a drawing or a sample. State if for a *center* or *end* drive header, and whether knife sections are riveted to *top* or *bottom* of knife bar.

HEADER FINGER BEAMS

When ordering note instructions above.

BENICIA—All Styles

Name.	Price.
For 8 foot header	$20 00
" 10 " "	22 50
" 12 " "	25 00
" 14 " "	27 50
" 16 " "	30 00

BAXTER & HILLS—All Styles

For 10 foot header	$22 50
" 12 " "	25 00
" 14 " "	27 50
" 16 " "	30 00

J. I. CASE HEADER

For 10 foot header, end drive	$13 50
" 12 " " "	15 00
" 10 " " center drive	13 50
" 12 " " "	15 00
" 10 " " Rev. Sec., C. D	20 00
" 12 " " " "	22 50

J. I. CASE HEADER—Continued

For 14 foot header, Rev. Sec., C. D	$25 00

TIGER HEADER

For 12 foot header	$25 00
" 14 " "	27 50

HAINES' HEADERS

For 10 foot header, end drive	$13 50
" 12 " " "	15 00
" 10 " " center drive	13 50
" 12 " " "	15 00
" 15 " " "	18 00

HEADER REEL SLATS

For 10 foot	$0 25
" 12 "	30
" 14 "	35
" 16 "	40
Reel arms, all styles, each	20

For sickles and sections, see special lists.

HEEBNER'S "LITTLE GIANT" THRESHER AND CLEANER

Name.	No. or letter on Piece.	No. 1.	No. or letter on Piece.	No. 2.	No. or letter on Piece.	No. 3.
THE THRESHER						
Cylinder, without teeth	.....	$31 50	.....	$28 50	.....	$25 00
" shaft, steel	.....	6 00	.....	5 50	.....	4 25
" box, babbitted	W I	1 75	.....	1 75	.....	1 75
" pulley	15 G	2 60	.....	2 60	.....	2 60
Pawl hub for cylinder pulley	1 G	75	1 G	75	1 G	75
Pawl	3	50	3	50	3	50
Cylinder teeth, each	.....	20	.....	20	.....	20
Concave, with steel teeth and wood bolster, 5 rows teeth	.....	18 75	.....	18 00	.....	16 25
" without teeth and bolster, 1881, 5 rows teeth	D	5 25	D O	5 00	D O 3	4 50
Wood bolster for concave, 1881	.....	4 25	.....	3 75	.....	3 00
Concave teeth, each, steel, with nut	.....	20	.....	20	.....	20
" adjusting screw	.....	75	.....	75	.....	75
" " " nut stationary	O	25	O	25	O	25
Iron thresher side, right hand	B	3 75	B	3 75	B	3 75
" " " left hand	A	3 75	A	3 75	A	3 75
Long shaker crank shaft	C I	5 25	C 2	5 25	P 3	5 00
" " " " boxes, right hand	X G	1 50	X G	1 50	X G	1 50
" " " " " left "	X H	1 50	X H	1 50	X H	1 50
Shaker wheel	.....	6 00	.....	6 00	.....	6 00
" " set screw, steel	.....	40	.....	40	.....	40
Fan driving pulley, 11 in. diameter	.....	2 00	.....	2 00	.....	2 00
" " " clutch crank, with wrist and set screw	J	1 50	J	1 50	J	1 50
Tightener pulley	.....	2 00	.....	2 00	.....	2 00
" " hanger	.....	1 50	.....	1 50	.....	1 50
" " plate, 1877	T	25	T	25	T	25
Table brace step	.....	15	.....	15	.....	15
THE SHAKER						
Perforated sheet iron shaker bottom	.....	6 00	.....	6 00	.....	5 75
Plain sheet iron grain bottom, to shaker	.....	3 75	.....	3 50	.....	3 00
Stationary shaker sides	.....	10 50	.....	10 50	.....	7 50
Wood shaker hangers, each	.....	75	.....	75	.....	75
Top gudgeons for hangers, each, iron	C	50	C	50	C	50
Bottom " " " on the shaker	Z	50	Z	50	Z	50
Beater forks, complete, each	.....	2 50	.....	2 25	.....	2 25
" " tines, each	.....	25	.....	25	.....	25
" " boxes, each	P	30	P	30	P	30
" " levers, wood	.....	40	.....	40	.....	40
Shaker pitman, wood	.....	1 10	.....	1 10	.....	1 10
" " box, adjustable, with wood wedge and set screw	.....	2 25	.....	2 25	.....	2 25
THE CLEANER						
Sheet iron sieve	.....	3 00	.....	2 75	.....	2 50
Wire sieves, each	.....	2 75	.....	2 50	.....	2 25
Sieve holders, each, right and left	.....	30	.....	30	.....	30
Hanger irons, for shoe, each	.....	75	.....	75	.....	75
Rock shaft	.....	1 75	.....	1 75	.....	1 75
" " box	S	50	S	50	S	50
" " step, chilled iron	S I	75	S I	75	S I	75
Cast iron shoe pivot	R	40	R	40	R	40
Short wood shoe pitman	.....	40	.....	40	.....	40
" " " " gudgeon, on shoe	.....	40	.....	40	.....	40
Long wood pitman, driven by the clutch crank	.....	1 00	.....	1 00	.....	1 00
Fan shaft	.....	1 75	.....	1 75	.....	1 75
" " boxes, each	93 & 94	75	93 & 94	75	93 & 94	75
" flanges, each	.....	1 10	.....	1 10	.....	1 10
" " set screws, each	.....	20	.....	20	.....	20
" shaft pulley, 7¼ inches diameter	.....	1 50	.....	1 50	.....	1 50
" " " 5 " "	.....	1 25	.....	1 25	.....	1 25
" " " 5½ " " 1881	.....	1 25	.....	1 25	.....	1 25
" " " set screws, each	.....	20	.....	20	.....	20
Wind regulator plate and fan shaft, boxes combined	X X O	2 75	X X O	2 75	X X O	2 75
" " end, right hand	X B	1 50	X B	1 50	X B	1 50
" " " left "	X A	1 50	X A	1 50	X A	1 50
" " weight lever	.....	25	.....	25	.....	25
" " " with set screw	.....	40	.....	40	.....	40
" " tailings, elevator	.....	22 50	.....	22 50	.....	.....
Cast iron mouth	X C	75	X C	75	.....	.....
" spout	X G	75	X G	75	.....	.....
Adjustable box	X F	50	X F	50	.....	.....
" " plate	X E	30	X E	30	.....	.....
Bottom box	X D	50	X D	50	.....	.....

PITTS THRESHERS, HORSE-POWERS AND ATTACHMENTS

When ordering repairs always give the number and a full description of the piece.

No.	Name.	Price.
1	Master wheel rim, 4 H. P.	$55 00
	Same with center and arms	65 00
2	Top piece, M. W. center	3 50
3	Bottom piece, "	4 50
4	Master wheel rim, 8 H. P.	57 50
	Same with center and arms	67 50
5	Top piece, M. W. center	6 50
6	Bottom piece, "	5 50
7	Center pin, "	75
8	" stand	2 25
11	Bevel wheel journal	2 00
13	"	10 00
15	Bull pinion	3 50
16	Traveler over bevel wheel	75
17	" pin	75
18	" stand	75
19	" "	1 50
20	" "	75
23	Coupling jaw	75
26	Line shaft pinion, 13 cogs	1 75
27	" " "	1 75
28	" box	1 75
30	Roll stand, right hand	2 25
31	" left "	2 25
32	Roll, outside for M. W	1 25
33	Roll pin	75
38	Draft hook, end of sweeps	1 00
45	Coupling iaw	75
46	Master wheel rim, 10 H. P	60 00
	Same with center and arms	75 00
47	Center pin stand	2 25
50	Bevel wheel journal	2 00
51	" 11x1¼ inch	12 00
52	Bull pinion	3 50
53	Traveler stand	1 50
54	" "	75
57	Coupling jaw	75
59	Line shaft pinion, 14 cogs	1 75
60	" " "	1 75
61	" box	1 75
62	Oil cup under line shaft pinion	50
63	Roll stand, right hand	2 50
64	" left "	2 50
65	Roll, outside	1 50
66	Roll pin	75
71	Draft rods for sweeps	1 75

No.	Name.	Price.
72	Brace rods for sweeps	$1 50
74	Tumbling rod, 9 feet long	9 00
75	" 7½ feet "	8 00
159	Spur wheel	10 00
160	" pinion	3 00
166	Bevel wheel	4 50
167	" pinion	2 50
177	Fan wheel	2 00
178	" pinion	1 00
180	Pulley, flanged	1 25
181	Pulley on beater shaft, 10x2¾	3 50
182	" " " 12x4	4 00
183	" " " 4¼x2, 1 3/16 bore	1 25
184	" " " 4½x2, give bore	1 00
185	" " " leathered	1 50
187	Agitator pulley, oval	1 25
188	Pulley on picker shaft, 2¾x1¼	1 25
189	" on grain belt shaft, 12x2, 1 5/16 bore	2 50
189	" on vibrator, leathered	3 00
190	" grooved	2 00
191	" on grain belt shaft, 12x3½, give bore	3 50
192	" flanged	1 25
193	" on straw belt shaft, 7½x2, ⅝ bare	1 25
195	" flanged	1 25
196	Roll and journal, 4½ diameter	2 00
197	Friction pulley, flanged	1 00
198	Fan pulley, 8x2¾, 1 1/16 bore	2 00
199	Elevator pulley, 7½x2, ½ inch bore	1 50
199	" " 7½x2	2 25
200	Stacker pulley, flanged	1 50
201	" " "	1 50
206	Elevator shaft box	75
208	Conveyor section	30
214	Snap coupling hub	1 50
215	" catch, R. H	50
216	" spring	50
217	" jaw	1 50
223	Fan box, left hand	1 00
225	" right "	75
229	Grain belt box, right hand	1 00
230	" " left "	1 00
232	Agitator shaft box	1 00
233	Beater "	75
237	Shoe hanger, box inside	50
238	" box outside	50

PITTS THRESHERS, POWERS, ETC.—Continued

No.	Name.	Price.
240	Sieve bracket	$0 75
241	Bracket for return board	75
243	Fan Flange	75
245	Shake rod	75
264	Beater strip, 4 fingers	75
265	" " 5 fingers	75
266	" head	2 00
271	Plate front of concave, 32 inch	2 50
279	Outside cylinder head	4 50
281	Center " "	4 50
283	Outside band tooth, 2½ inch blade	12½
284	Center head tooth, 2½ " "	12½
285	Middle band tooth, 2½ " "	12½
286	Common bar tooth, 2½ " "	12½
287	Concave tooth, 2½ inch blade	12½
308	Fan Wheel	2 00
310	Cylinder steady box	2 25
312	Pulley on cylinder shaft, 7x6½, give bore	5 00
312	" " " 7x8, "	6 00
313	" " " 4x5, "	4 00
314	Agitator arm	2 50
315	" crank	75
316	" crank pin	75
317	" head	75
318	" head pin	75
319	" connecting rod	1 50
321	Bevel wheel	5 00
325	Plate front of concave, 36 in	2 75
362	" " " 28 in	2 50
371	" " " 24 in	2 00
387	Bevel wheel (single gear)	8 00
388	" pinion "	2 00
389	Ratchet wrench	4 00
394	Brace for run boards	2 00
404	Top piece, 5th wheel	4 00
405	Wagon hub	4 50
407	Wagon skein and cap	2 50
408	Axle cap	50
410	Sheave	1 00
416	Top piece, M. W. center	7 50
417	Side gear box—1	3 50
418	" " " 2	3 50
419	" " " 3	3 50
420	" " " 4	3 50
421	Stacker hinge (male)	1 00
422	" " (female)	1 00
423	" hook, right hand	75
424	" " left hand	75
425	Cross for jack pulley	3 50
426	Clutch for jack shaft	1 00
429	Side gear frame	10 00
430	Bracket for spur gear	2 50
431	Concave hanger, right hand	1 75
432	" " left hand	1 75
433	Spur gear shield	4 50
434	Piece of shield	75
435	Mitre gear shield	2 00
436	Mitre wheel	4 00
437	Spur wheel	10 00

No.	Name.	Price.
438	Spur pinion	$2 50
439	Side gear frame	10 00
440	Conveyor box	1 50
441	" spout	1 25
442	Shake head with rod and pin	1 50
442	" " without rod and pin	75
444	Iron frame for jack	7 50
445	Half box for jack	1 50
447	Master wheel rim, 12 H. P	65 00
	Same with center and arms	85 00
448	Bottom piece, M. W. center	5 50
453	Grain belt shaft box	1 00
454	" " " "	1 00
455	Snap coupling catch, L. H.	50
457	Cross for jack pulley	4 00
458	Clutch for jack shaft	1 25
459	Concave hanger, right hand	1 50
460	" " left hand	1 50
461	Beater pulley, 4½x3¾	2 00
464	" " 13½x4	4 00
465	Iron frame for Jack	12 00
466	Box for jack	4 50
467	Cast iron wrench	75
470	Pulley on cylinder shaft, 6½x6½, give bore	5 00
471	Plate front of concave, 40 in	3 00
474	Pivot box with oilers	5 50
475	Picker box	1 25
476	Wagon hub for 8 spokes	5 00
477	Center cylinder head	4 50
478	Pulley on beater shaft, 12x4¾	4 50
479	" " " 10x31, 1 3/16 bore	3 50
480	" fan shaft, 8x3¼, 15/16 bore	3 00
481	" grain belt shaft, 12x3¾, 1 3/16 bore	4 00
482	" " " " 12x2¾	3 50
483	" (flange)	1 25
484	Bevel pinion	2 50
488	Pulley on straw belt shaft, 7½x2, 1 1/16 bore	2 25
489	Bracket for cylinder, right hand	3 50
490	" " left hand	3 50
491	Brace for bracket	3 00
492	Top piece, 5th wheel	2 50
493	Bottom piece, 5th wheel	3 50
495	Coupling ring, 7 in. outside	75
496	" " 8 in. "	1 00
497	Grain belt box, left hand	1 00
498	" " " right "	1 00
499	Straw belt shaft box	1 00
500	" " " "	1 00
503	Center pin, M. W. center	75
504	Coupling pin	15
505	Mitre wheel	3 50
506	Shake casting	75
507	Poppet head	1 50
508	Beater box	1 00
509	Pulley (flange)	1 25
510	Straw belt journal box	1 00

PITTS THRESHERS, POWERS, ETC.

No.	Name.	Price.
512	Coupling pin	$0 15
518	Cast "S" wrench	75
521	Roll on elevator shaft	75
522	Shake rod on elevator	75
523	Box for agitator shaft	1 00
524	Rack back of concave	5 00
525	Top piece, M. W. center	9 00
528	" "	6 50
534	Shoe conveyor box	75
535	" "	75
536	Bracket for wind shield	75
538	Beater head	1 50
541	Top piece, M. W. center	9 00
542	Ratchet pulley on stacker raiser	2 00
543	Flange " "	1 50
549	Line shaft bracket	2 00
550	" box	2 50
551	Traveler pin box	1 50
552	Traveler, 11 in. diam.	1 50
554	Cap holds bevel wheel pin	4 00
556	Traveler pin	1 00
557	Bevel wheel journal, 18x1⅜	3 00
561	Line shaft box	2 50
562	Traveler pin box	1 50
564	Cap holds bevel wheel pin	4 50
566	Line shaft bracket	2 00
567	Brace socket	75
568	Bull pinion	3 50
569	Coupling ring, 6 in. outside	75
570	" jaw	75
571	Fan box, left hand	1 00
572	" right "	75
573	Straw belt pulley, flanged	1 25
574	Fan flange	75
575	Bevel wheel journal, 18½x1½	3 50
576	Conveyor section	25
577	Narrow concave, 32 in	3 00
578	" 36 "	3 50
579	" 40 "	4 00
580	" 24 "	3 00
581	" 28 "	3 00
582	Concave grate, 24 "	2 00
583	" 28 "	2 00
584	" 32 "	2 50
585	" 36 "	3 00
586	" 40 "	3 50
587	Beater box	1 00
588	Lower stacker shaft box	75
589	" "	75
590	Rub iron	60
591	Slip coupling jaw	1 50
592	Bolster plate on power	2 00
593	Cylinder bracket, right hand	3 00
594	" left "	3 00
595	Brace for cylinder bracket	3 00
596	Side gear frame	10 00
597	Bracket for spur gear	2 50
606	Agitator crank	75
610	Pulley on fan shaft, 8¾x2¾	2 00
611	Beater head	2 00
612	Fan box, right hand	$0 75
614	Pulley on grain belt shaft, 11x2	2 50
614	" vibrator, leathered	3 00
616	Flanged pulley	1 50
617	"	1 50
618	Box for elevator bagger	1 00
619	Straw belt journal box	75
620	Bevel wheel	10 00
621	Bevel wheel hub	5 00
622	Cross girt, iron	8 00
623	Step casting	2 00
624	Line shaft box	1 25
625	Grain belt shaft pulley, 11x2	2 00
626	Bevel wheel	12 00
627	" hub	6 00
628	Cross girt, iron	10 00
629	Step casting	2 00
632	Pulley on fan shaft, 4x2	75
633	Eccentric fork	1 25
634	" fork	1 25
635	" gear box	1 00
636	" roll	75
637	Cross girt, iron	8 00
638	Bevel wheel hub	5 50
639	" journal, steel	3 00
640	Traveler, 9 in. diam	1 50
641	Line shaft bracket	2 00
642	Cross girt, iron	10 00
643	Bevel wheel hub	6 50
644	" journal	3 50
645	Line shaft bracket	2 00
646	Pulley on beater shaft, 15x4¼	5 00
647	" " 5⅝x3¾, 1⅜ bore	2 50
648	" grain belt shaft, 15x3¾, 1 3/16 bore.	4 50
649	" " 15x2¾, 1 3/16 "	4 00
650	" straw belt shaft, 9 1/16x2¼, 1 3/16 "	1 50
651	" cylinder shaft, 5x6, give bore	4 00
655	Cylinder bracket	3 50
656	Cheney brake center pin	1 50
658	Cylinder pulley, 5x8, give bore	4 50
661	Rub iron	50
663	Cylinder pulley, 5x6, give bore	4 00
664	" 6½x8¼, "	5 00
665	Beater box	1 00
666	Conveyor pulley, 10x2	1 50
667	Pulley on stacker shaft, 10x2, 15/16 bore	1 50
668	Eccentric roll	75
669	Beater pulley, 15x6¼	7 00
670	Cylinder bracket	4 00
671	"	4 00
672	Pivot point box	5 00
673	Steady box	3 00
674	Cylinder guard, right hand	50
675	" left "	50
676	Ecccentric box, babbitted	2 00
677	Cylinder pulley, 5x6, give bore	4 00
678	" 7½x8, "	5 50
679	Stepping plate	75
680	Straw belt pulley, flanged	1 50
681	" box	75

PITTS THRESHERS, POWERS, ETC.—Continued

No.	Name.	Price.
682	Bevel wheel, Farmers' Own Jack	$5 50
683	" pinion, " "	2 00
684	Master wheel rim " "	35 00
	Same with center and arms	40 00
685	Bull pinion, Farmers' Own power	3 50
686	Center pin " "	1 50
687	" stand " "	1 50
688	Center piece for master wheel	5 00
689	Large driving pulley "	5 00
690	Spur wheel "	6 00
691	" pinion "	2 50
692	Lever stand "	2 50
693	Large driving pulley "	2 00
694	Box for F. O. Jack "	8 00
695	Cylinder head	3 00
696	" guard	1 00
697	Concave adjuster	75
698	Cylinder box	2 25
699	" pulley	1 50
700	Crank shaft, Farmers' Own	4 50
701	Line shaft box, "	2 00
702	Arch stand "	3 50
703	Pulley on straw belt shaft, 10½x2½, leathered, $\frac{13}{16}$ bore	3 00
704	Lower stacker box, right hand	75
705	" " left "	75
706	Stacker hook, right hand	75
707	" left "	75
708	Flange pulley for stacker	2 00
709	Small " "	1 50
710	Middle pulley for stacker shaft	1 75
711	" " " "	1 25
715	Snap coupling hub, left hand	1 50
716	" jaw	1 50
717	Piece over master wheel, F. O	1 00
718	Nutholder	75
719	Beater head	2 00
720	Fan pulley, 9x3¼	3 00
722	Cylinder pulley, 5½x6¾, give bore	3 00
723	" " 6x8½, "	4 50
724	" guard, right hand	50
725	" " left "	50
726	Upper straw shaft box, right hand	75
727	" " " left "	75
730	" " " right "	75
731	" " " left "	75
732	Equilizer stand	1 00
733	Agitator box	75
734	Box for lower journal	75
735	Set screw wrench	50
736	Stacker hook, left hand	75
737	" right "	75
738	" pulley, flanged	1 75
741	Cylinder pulley, 8x6½, give bore	6 00
742	" " 8x8½, "	6 00
743	Brace socket, right hand	75
744	" left "	75
745	Concave hanger, right hand	2 00
746	" " left "	2 00
747	Box for lower journal	75
748	" " on plate	75
749	Outside cylinder head, 12 bar	5 00
750	Center " "	5 00
751	Box for 2 inch cylinder shaft	5 00
752	Band bar and head tooth for single bar	$0 12½
753	Bar and head tooth for single bar	12½
753	Common bar tooth for double bar	12½
754	Bar and band " single "	12½
755	Common bar " double "	12½
756	Concave tooth	12½
756½	" " short	12½
758	Cylinder bracket	3 00
759	Brace iron	75
770	" socket	50
771	" "	50
790	Bracket	75
793	Mitre wheel	3 00
794	"	3 00
796	Fan box, left hand	1 25
797	" right "	1 25
798	Cylinder guard	75
799	Beater shield, right hand	1 25
800	Mitre wheel	4 60
801	Beater shield, left hand	1 50
802	Casting on end of picker	50
803	Fan box, right hand	1 25
804	" left "	1 25
808	Brace bracket, right hand	75
809	" left "	75
810	Beater box	2 00
811	"	2 00
813	Box for swing rod	1 00
817	Beater box	2 00
824	Pitman head	1 25
826	Brace bracket, right hand	75
827	" " left "	75
832	Shoe casting	50
833	Pitman arm	1 50
834	Rock shaft arm	75
835	Pitman shaft box	1 00
844	Cylinder bracket	4 00
845	Cast wrench	75
850	Rock shaft box, right hand	1 50
851	" " left "	1 50
852	Pitman shaft pulley, 16x4, $1\frac{1}{16}$ bore	4 00
853	Blind slide	50
855	Concave hanger, right hand	2 00
856	" " left "	2 00
861	Concave raiser box, right hand	75
862	" " left "	75
863	" " handle	1 00
864	Catch for raiser handle	40
874	Sheave stands for equalizer	75
875	Sheave for equalizer	75
876	Line shaft pinion	1 75
877	" "	1 75
878	" "	1 75
879	" "	1 75
880	Step casting	2 00
881	Line shaft bracket	2 00
882	" pipe box	1 25
883	Double pulley, leathered, 7x6, $1\frac{3}{16}$ bore	2 25
884	" " "	2 25
887	Beater pulley, 15x6¼, $1\frac{7}{16}$ bore	5 50
888	Grain belt pulley	1 50
889	Beater pulley, 5⅞x4¼	2 00
890	" 10x3¼, leathered, $1\frac{7}{16}$ bore	3 00

PITTS THRESHERS, POWERS, ETC.—Continued

No.	Name.	Price.
891	Beater pulley, 4½x2, leathered, 1 7/16 bore	$ 1 50
892	" box	1 75
893	" head	2 00
894	Grain belt pulley, flanged	1 25
895	" " " 15x4¼, leathered	5 00
896	" " " 15x2⅜, 1 7/16 bore	4 50
897	" " box, right hand	1 00
898	" " " left "	1 00
899	Stacker hook, right hand	75
900	" " left "	75
902	Pulley on fan shaft, 4x2, 15/16 bore	1 00
908	Pitman pulley, 16x2¾	4 00
911	Head for wrench	50
	Wrench, complete	2 25
912	Rock shaft box	1 50
916	Line shaft bracket	2 00
918	Sieve bracket	75
919	Pitman (wooden)	1 50
920	" pin	75
921	Cross shaft box, No. 3	3 50
922	Cylinder box	3 00
923	" pulley, 4x5, give bore	4 00
924	" " 5x6, "	4 00
925	Cross shaft box, No. 4	3 50
940	Slip coupling jaw	1 00
941	Sheave pulley and straps	1 50
942	" " " bolt	1 25
943	Box for stacker raiser	75
944	Dog and bolt	75
945	Outside cylinder head	4 50
946	Inside " "	4 50
947	Rub iron	75
948	Brake arm ratchet	75
951	Line shaft bracket	2 00
952	" " "	2 00
954	Ratchet for brake	75
955	Bagger pulley, right hand	2 50
956	" " " "	2 50
957	Belt guide, complete	6 00
957	" " frame	2 50
958	Box for belt guide	75
959	" " "	75
959½	Rolls " " "	1 00
962	Brace for cylinder	2 50
963	Sieve bracket	75
964	Beater head	2 00
965	Piece on stacker	50
968	Box for end wood pitman	1 50
969	Piece of frame for belt tightener	2 00
970	Ratchet pan for belt tightener	2 00
971	Dog for belt tightener	50
973	Single gear frame	7 00
974	Box on single gear frame	2 50
975	Pivot point box on single gear frame	2 50
976	Brace for single gear	2 50
977	Shield " " "	2 00
978	Piece on stacker	50
979	Stacker joint	1 50
980	" "	1 50

No.	Name.	Price
981	Outside cylinder head (12 bar)	$ 5 00
982	Center " " "	5 00
987	Bracket for picker board	50
988	Beater pulley, 11x3½, 1 7/16 bore	3 50
989	Pivot point cylinder box	4 50
990	Elevator bracket	75
992	Beater pulley 11x3¼, 1 3/16 bore	3 50
993	" " 11x2¾, give bore	3 50
994	Piece of belt tightener	1 75
995	Pulley for " " 15/16 bore	1 75
996	Pivot point cylinder box	4 50
997	Bolster plate	1 00
998	Stacker pulley, 7x2, 15/16 bore	2 00
999	Stacker pulley (leather) 7¾x2½, 15/16 bore	1 75
1000	Belt tightener handle	1 50
1001	Spring board socket, R. H.	75
1002	" " " L. H.	75
1003	Small socket wrench	50
1004	Bracket for sieves (4 notches)	75
1005	Flanged pulley, 7¾x3¾	1 75
1006	Box for bagger elevator	1 00
1007	End piece on barley bearder	5 00
1008	Box for barley bearder	1 00
1009	" " " "	1 00
1010	Flange pulley for barley bearder	2 50
1011	Picker box	1 00
1012	Outside head for 9 bar (double bar cylinder)	5 00
1013	Center head for 9 bar (double bar cylinder)	5 00
1014	Box on lower stacker shaft, left hand	75
1015	" " " " right "	75
1016	Piece of stacker joint	1 00
1017	" " "	1 00
1018	" " "	1 00
1019	" " "	1 00
1022	Flange pulley on stacker raiser	1 50
1023	Racket " " " "	1 50
1024	Fan pulley, 8x4, 15/16 bore	3 00
1025	Pitman pulley, 16x4, 1 1/16 bore	5 50
1026	Grain belt pulley, 15x3, 1 7/16 bore	4 50
1027	Beater pulley, 18x6	7 50
1028	Picker pulley, 3x3	1 50
1029	Cylinder pulley, 10x6½	8 00
1034	Hand wheel for brake	1 00
1036	Bottom of cylinder box	4 00
1037	Outside cylinder head	3 50
1038	Center " "	3 25
1039	Concave hanger, right hand	1 75
1040	" " left hand	1 75
1041	" " right and left hand	2 00
1043	Cylinder bracket	6 00
1044	Bracket brace	2 50
1045	Fan box for 1¼ shaft, right hand	1 50
1046	" " " " " left hand	1 50
1047	Picker box	1 25
1048	Conveyor pulley, 10x3, ⅝ bore	3 00
1049	" " 7x3, ⅝ bore	2 00

PITTS THRESHERS, POWERS, ETC.—Continued

No.	Name.	Price.
1050	Pulley, 7x3, $1\frac{1}{16}$ bore	$2 50
1051	Fan pulley, $4\frac{1}{2}$x3, $1\frac{5}{16}$ bore	2 00
1052	Beater pulley, $4\frac{1}{2}$x3, $1\frac{7}{16}$ bore	2 00
1054	" " $4\frac{1}{2}$x3	2 00
1056	Fan flange	75
1057	Inside shake arm	1 75
1058	Cylinder pulley, $6\frac{3}{4}$x6, give bore	5 00
1059	Beater pulley, 20x6$\frac{1}{4}$, $1\frac{7}{16}$ bore	10 00
1061	Sieve bracket, 6 notches	50
1081	Fan pulley, 7x3$\frac{1}{8}$	2 50
1082	" " 4x3, $1\frac{3}{16}$ bore	1 75
1083	Bracket for bagger axle	1 50
1084	Flange box for bagger axle	1 00
1119	Steady box on fan	1 25
1127	Beater pulley, 10x4$\frac{1}{4}$, $1\frac{7}{16}$ bore	4 00
1128	" " 10x4$\frac{1}{8}$	4 00
1129	" " 6x7, $1\frac{7}{16}$ bore	4 00
1130	Bracket brace	3 00
1135	Sprocket wheel	1 50
1146	Bagger bracket, right hand	40
1147	" " left "	40
1148	Beater pulley, 6x2$\frac{1}{2}$, $1\frac{7}{16}$ bore	2 00
1149	Cylinder box	3 50
1152	Piece on conveyor	1 00
1153	Straw belt pulley, 10$\frac{1}{2}$x3$\frac{1}{2}$	3 50
1154	Bolster plate	1 00
1171	Spur pinion, 16 cogs	3 00
1177	Shield for single gear	2 50
1180	Beater pulley, 11x4	3 00
1181	Oil cup	60
1182	Frame for single gear	9 00
1183	Brace for single gear	3 00
1185	Oil cup	60
1186	Spur pinion, 22 cogs	3 50
1187	Cheney brake pulley	1 50
1188	Shield for single gear	2 50
1189	Spur plnion, 22 cogs	3 75
1191	Picker box	1 00
1192	Shield for single gear	2 50
1197	Concave grate	1 50
1199	Cylinder box	4 50
1200	Picker box	1 00
1205	Wagon skein, with cap	3 00
1206	Bridge tree	4 50
1207	Ratchet wheel	3 75
1208	Hand wheel	10 00
1209	Mitre " single hub	2 75
1210	" " double "	2 75
1211	Small segment gear	4 00
1212	Box on upright shaft	2 50
1213	" stacker "	2 00
1214	" " "	2 00
1215	Collar for brace	1 50
1216	Pawl for ratchet wheel	60
1217	Large segment gear	9 00
1218	Derrick joint	1 75
1219	Box on bevel gear shaft	75
1220	Stud for gear wheel	2 25
1221	Main spur wheel	10 00
1222	Worm wheel and pinion	6 50
1223	Flange for roller	75
1224	Box on worm shaft	1 50
1225	Pinion on worm shaft	2 25

No.	Name.	Price
1226	Sprocket wheel	$0 75
1227	Cap for cross shaft box	75
1228	Worm segment wheel	6 00
1229	Connecting arm	1 75
1230	Stacker pulley	1 75
1231	Wagon elevator bracket, right hand	1 00
1232	" " " left "	1 00
1233	Wagon hub	7 50
1237	Box on crank worm shaft	1 50
1238	Oil box	65
1242	Front wheel, 4 inch iron	20 00
1243	Hind " 4 " "	21 00
1244	Front " 3 " "	17 50
1245	Beater head, right hand	3 00
1246	" " left "	3 00
1247	Box for roll journal	90
1248	Cylinder box	6 00
1249	Hind wheel, 3 inch, iron	17 50
1250	Box for bearder	3 00
1251	Spur pinion, 17 cogs	3 00
1252	Box for worm pinion	1 50
1253	Bracket, right hand	1 00
1254	" left "	1 00
1255	Grain belt box	90
1256	Box for roll journal	90
1257	Steady box	5 00
1258	Sprocket wheel, 12 in. diam., $\frac{7}{8}$ bore	3 00
1259	" "	2 25
1260	Spur pinion frame	4 25
1261	Cap for pinion frame	1 50
1262	Hanger for pinion frame	45
1263	Box	1 50
1264	Stacker hook bracket	1 00
1265	" " "	1 00
1266	Ratchet plate	2 25
1267	Handle for concave raiser	75
1268	Pulley, 3x2	75
1269	Concave raiser box, right hand	75
1270	" " " left "	75
1271	Frame for single gear	7 50
1272	Cylinder bracket	3 75
1273	Brace for gear frame	3 00
1274	Pivot point box	3 00
1275	Beater pulley, 15x5$\frac{1}{2}$, $1\frac{3}{16}$ bore	6 00
1276	Cylinder pulley, 8x8, give bore	6 50
1277	Conveyor spout	1 50
1278	Beater head, right hand	2 00
1279	" " left "	2 00
1280	Grain belt box	90
1282	Line shaft box	2 25
1283	Beater box	90
1284	" pulley, 10x3$\frac{1}{2}$, $1\frac{1}{16}$ bore	3 00
1285	Pivot bracket	35
1286	Handle for pivot bracket	35
1287	Bagger bracket	60
1288	Pulley to drive bagger, 7x2$\frac{1}{2}$, give bore.	1 50
1289	Flange pulley	75
1290	Bracket for main shaft	1 75
1291	Box for braces	1 50
1292	Sprocket wheel, 7$\frac{1}{2}$ diam., $\frac{15}{16}$ bore	1 50
1293	Bracket for worm shaft	1 00
1294	Shield for gear	1 50

PITTS THRESHERS, POWERS, ETC.—Continued

No.	Name.	Price.
1295	Wagon elevator box	$ 1 50
1296	Bracket for band cutters stand, left hand	40
1297	" " " right "	40
1298	Outside cylinder head	5 00
1299	Center " "	5 00
1300	Outside " "	5 00
1301	Center " "	5 00
1302	Outside " "	5 00
1303	Center " "	5 00
1304	Wagon elevator flange pulley	1 50
1305	Bracket for hood	45
1306	Joint " right hand	40
1307	" " left "	40
1308	Band bar and head tooth for double bar	12½
1309	Bar and head tooth for double bar	12½
1310	" band " "	12½
1311	Front wheel, iron, 3 inch face	17 50
1312	Hind " " 3 "	17 50
1313	Front " " 4 "	20 00
1314	Hind " " 4 "	21 00
1315	Concave hanger, right hand	2 00
1316	" " left "	2 00
1317	" raiser box, right hand	75
1318	" " left "	75
1319	Brace for 39 W. gear	2 75
1322	Pulley on worm shaft	3 25
1323	Round hole grate	2 25
1325	Blank piece between concaves	2 25
1326	Cylinder pulley, 5x6½, give bore	3 25
1327	Axle plate	2 00
1328	Bolster plate	2 00
1329	Flanged pulley, 9x3¼, bore 1⅛	2 50
1330	" 9x3¼, " 1 5/16	2 50
1331	Axle cap	45
1332	" collar	45
1333	Flanged pulley, complete	3 75
1334	Flange for 1333 pulley, each	75
1335	Steady bracket for worm shaft	1 00
1343	Flanged pulley	1 00
1346	Cylinder bracket	5 00
1347	Sprocket wheel, 13 in. diam., 1 3/16 bore	2 25
1348	" 13 " 1 5/16 "	2 25
1349	" 4 " 1 9/16 "	75
1350	" 6 " ⅞ "	1 00
1351	" 10 "	1 75
1352	" and pitman head	1 75
1353	Box for roll journal	90
1354	Handle for belt tightener	2 25
1355	Pulley " "	2 25
1356	Stud pin " "	75
1357	Handle for concave adjuster	75
1358	Catch " "	40
1359	Bracket for adjuster catch	40
1360	Sprocket wheel, 6 in. diam., 11/16 bore	1 00
1361	Agitator crank	75
1363	Poppet head	1 25
1364	Sprocket wheel, 10 in. diam., 1 3/16 bore	1 75
1365	" 9½ " 11/16 "	1 75
1366	Sprocket wheel, 13 in. diam., 1 5/16 bore	$ 2 00
1367	Stacker joint	1 25
1368	"	1 25
1369	Flanged roll for chain tightener	75
1370	Ratchet pan " "	1 75
1371	Conveyor section for iron shaft	45
1372	Beater head	1 50
1373	Pulley, 4½x2	1 00
1373	" 4½x2, leathered	1 75
1374	Cylinder pulley, 4½x5, give bore	3 00
1375	Pulley to drive bagger, double	3 00
1376	" " single	2 25
1377	Pulley for shoe conveyor, 11x2, ⅞ bore	2 00
1378	" grain " 7x2, ⅞ bore	1 00
1379	Box for shoe conveyor	60
1380	" "	60
1381	" grain conveyor	1 50
1382	Left hand conveyor section	45
1383	Pivot box	3 00
1384	Cylinder bracket	3 25
1385	Set screw wrench	60
1386	Piece of joint	40
1387	Box for bagger	1 00
1388	Joint on stacker hood	40
1389	" "	40
1394	Sprocket wheel, 6 in. diam	1 00
1395	Roll and bracket	1 00
1396	" "	1 00
1398	Shoe conveyor box	60
1400	36 inch concave, special	4 00
1402	Pulley, 14x5¼, bore 1 1/16	4 00
1403	" 14x5¼, " 1 3/16	4 00
1404	End piece for barley bearder	5 00
1405	Sprocket wheel, 12 in. diam	2 25
1406	Cylinder pulley, 5x9, give bore	5 00
1407	End piece for barley bearder	5 00
1408	32 inch concave, special	3 00
1409	Sprocket wheel, 9 in. diam	1 75
1410	Beater pulley, 16½x5¼, 1 3/16 bore	6 00
1411	Sprocket wheel, 12⅛ in. diam	2 25
1412	Side gear frame	7 50
1413	Bracket for belt tightener	2 00
1414	Catch for concave adjuster handle	40
1415	Ratchet pan for belt tightener	1 75
1416	Box on lower stacker shaft, right hand	90
1417	" " " left "	90
1418	Fan pulley, 10x5, 1 5/16 bore	3 00
1419	Box for tightener pulley	1 00
1420	Pulley 23x6 on pitman shaft, 1 3/16 bore	7 00
1421	Handle for belt tightener	1 75
1422	Agitator pulley, 7¼x2, 11/16 bore	1 00
1423	Pulley, square, on straw belt shaft	1 00
1424	Roll and journal for short straw belt	1 50
1425	Poppet head	1 50
1426	Adjustable box for bagger	1 50
1427	Sprocket wheel, 12 in. diam	2 00
1428	" " 12½ "	2 00

PITTS THRESHERS, POWERS, ETC.—Continued

No.	Name.	Price.
1429	Beater pulley, $4\frac{1}{2}$x$2\frac{1}{8}$	$1 00
1432	" " 12x$5\frac{1}{4}$, $1\frac{1}{16}$ bore	3 75
1433	" " 15x$5\frac{1}{4}$, $1\frac{3}{16}$ bore	4 75
1434	Single gear frame	8 00
1435	Beater head, right hand	2 50
1436	" " left "	2 50
1437	Set screw wrench	40
1440	Cylinder pulley, 5x6, give bore	4 00
1441	Agitator pulley, 9x$2\frac{1}{8}$, $\frac{5}{8}$ bore	2 25
1442	Beater pulley, 6x2	1 75
1443	Sprocket wheel, 13 in. diam, $1\frac{3}{16}$ bore	2 25
1444	Brace for single gear frame	3 00
1445	Beater pulley, 6x2, to drive bagger, $1\frac{3}{16}$ bore	1 75
1446	Spout on screen box	1 50
1447	Brace for side gear frame	3 00
1464	End piece for tailing conveyor shaft	75
1465	Pulley for belt tightener, $7\frac{1}{2}$x5, $\frac{15}{16}$ bore	2 00
1515	Catch for concave raiser	40
1517	Flanged pulley, 3x2	75
1524	Front cylinder pulley, $14\frac{1}{2}$x$5\frac{1}{2}$, give bore	6 50
1525	Bruiser " " 12x$5\frac{1}{2}$, " "	6 00
1526	Cylinder box, left hand	4 00
1527	Lever for belt tightener	1 75
1528	Pan " " "	1 75
1529	Catch " tightener lever	1 10
1530	Counterweight for tightener	1 50
1531	Beater head	50
1532	Cylinder pulley, $6\frac{1}{2}$x$6\frac{1}{2}$, give bore	6 00
1533	Picker pulley, $4\frac{1}{2}$x3	1 00
1534	Center conveyor section for catchall	50
1536	Sieve bracket	60
1537	Side bracket for sieves	50
1538	Bruiser cylinder head, outside	4 00
1539	" " " center	4 00
1542	Box for roll journal, right hand	75
1543	" " " left "	75
1544	Box for catchall	1 00
1545	Pitman arm	2 00
1546	Rock shaft arm	1 50
1547	" " box, right hand	1 50
1548	" " " left "	1 50
1549	Stacker raiser box, right hand	1 00
1550	" " " left "	1 00
1551	Pitman box, right hand	2 00
1552	" " left hand	2 00
1553	Shoe rake bracket	60
1554	Oil spout bracket	40
1555	Bracket for stacker raiser	1 50
1556	Cap for same	75
1557	Dog for pinion	60
1558	Gear for stacker raiser	1 50
1559	Pinion " "	75
1561	Pulley, $4\frac{1}{2}$x2, on beater to drive catchall, $1\frac{7}{16}$ bore	90
1562	Flange for stacker raiser shaft	75
1563	Wagon skein	2 75
1564	Belt tightener handle	2 00
1565	" " pan	1 75
1566	Flange for No. 650 pulley	$ 45
1567	Front wheel, iron 4 inch face	20 00
1568	Hind " " " "	21 00
1569	Cylinder box	2 75
1570	Flange for No. 1524 pulley	1 50
1571	" " " 1525 "	1 50
1572	Sprocket wheel, $5\frac{3}{4}$ inch	1 00
1573	" " 13 "	2 25
1574	Conveyor box	75
1575	Double arm for rock shaft	1 50
1576	Stocker joint malleable	1 00
1577	" " "	1 00
1578	Cylinder pulley for gear	3 00
1579	" box	3 00
1580	Beater pulley, 15x$5\frac{1}{4}$, $1\frac{7}{16}$ bore	4 75
1581	Pulley, $7\frac{1}{2}$x$2\frac{1}{4}$, $1\frac{7}{16}$ bore	1 75
1582	Pin pulley box on ratchet plate, right hand	75
1583	Pin pulley box on ratchet plate, left hand	75
1584	Picker box on ratchet plate	75
1585	Plate for 1583 and 1584, right hand	1 00
1586	" " " " left "	1 00
1587	Cylinder box	3 00
1588	Pulley, $4\frac{3}{4}$x$2\frac{1}{4}$, on stacker shaft	1 00
1589	Gear cover for 39W	2 50
1590	Picker pulley, 3x2	75
1591	Pulley, $4\frac{3}{4}$x$2\frac{1}{4}$, on Cheat conveyor	1 25
1592	Spout for Cheat conveyor	1 50
1593	Sprocket wheel, 9 inch, $\frac{11}{16}$ bore	1 50
1594	Oval agitator pulley	75
1595	Fan pulley, 8x$5\frac{1}{4}$, $1\frac{3}{16}$ bore	4 00
1596	Pitman pulley, $16\frac{1}{4}$x$5\frac{1}{4}$, $1\frac{7}{16}$ bore	7 50
1597	Cylinder box, 7 inch, for $1\frac{7}{8}$ inch shaft	4 00
1598	" " 9 " " $1\frac{7}{8}$ " "	4 50
1599	Cylinder pulley	4 00
1600	Picker box	75
1601	" ring	40
1602	Beater pulley, 10x$5\frac{1}{4}$, $1\frac{7}{16}$ bore	4 50
1603	Cylinder pulley, 6x6, give bore	4 00
1604	Plate for shaft of rack back of cylinder	1 00
1605	Belt tightener pulley, 6x8	2 50
1606	" pulley, 10x$5\frac{1}{4}$, $1\frac{1}{16}$ bore	4 50
1607	Front wheel, iron, 5 inch face	20 00
1608	Rear " " 5 " "	21 00
1609	Flange pulley on upper grain B shaft	2 00
1610	Center " " " " "	1 50
1611	Cylinder pulley, 8x8, for $1\frac{7}{8}$ in. shaft	8 00
1612	Picker box in place of 1011	1 00
1613	Side guide for lower valve, right hand	1 00
1614	" " " " left "	1 00
1615	Connecting arm	1 50
1616	Pitman Connection	75
1617	Sprocket wheel, $10\frac{1}{2}$ inch, $\frac{3}{4}$ bore	2 00
1618	Rock shaft box	2 00
1619	Belt tightener bracket	1 50
1620	" " pulley	2 00
1621	Wind board deflector	75
1622	Ratchet pin	1 75

PITTS THRESHERS, POWERS, ETC.—Continued

No.	Name.	Price.
1623	Cylinder pulley, 5 in. diam., 1⅛ bore	$3 00
1624	Picker and agitator box, right hand	2 00
1625	" " " left "	2 00
1626	Agitator arm	75
1627	Small beater box	90
1628	Pitman pulley, 23x5¼	8 00
1629	Spring board bracket, right hand	75
1630	" " left "	75
1631	Cover for hole	75
1632	Belt tightener pulley	2 25
1633	Front plate, 40 in. special	3 50
1634	Agitator shake iron	75
1635	Pitman pulley, 24x5½	8 00
1636	Front wheel, 5 in. face	21 00
1637	Rear " "	22 00
1638	Front plate, 32 in. special	2 25
1639	" 36 "	2 75
1640	Cylinder pulley, 4¾x9, give bore	4 50
1641	Fan pulley, 9x2, 1⅛ bore	2 50
1642	Axle plate for wagon	2 25
1643	Bolster plate for wagon	2 25
1644	Rock shaft box	1 75
1645	Cylinder pulley, 4½x8½	4 00
1646	Beater head, 16 in	2 75
1647	Brace for cylinder bracket	3 00
1648	Fan pulley, 11x5½, 1 3/16 bore	3 00
1649	Pivot cylinder box	3 00
1650	Beater box	1 00
1651	Pitman pulley, 24x5¼	8 00
1652	Beater " 14x5¼, 1 7/16 bore	5 00
1653	Box for straw belt shaft	1 50
1654	Belt guide frame	3 00
1655	Straw belt shaft box, right hand	2 25
1656	" " left "	2 25
1657	Fan pulley, 10x5½, 1 3/16 bore	3 00
1658	Front beater pulley, 9x2, 1 3/16 bore	3 00
1659	Elevator pulley	3 00
1660	Beater box	1 00
1661	" head, right hand	2 00
1662	" " left "	2 00
1663	Cylinder box	6 00
1671	Pulley, 16x5, 1 3/16 bore	5 00
1672	Pivot point box	3 00
9401	Bracket and box on main line shaft	5 00
9402	Cap for No. 9401	1 00

No.	Name.	Price
9403	Line shaft box for drop gear, babbitted	$3 00
P 3	Cylinder pulley, 9x8, give bore	6 00
P 6	Stacker " 13½x2¼, 1 3/16 bore	2 50
P 8	Pulley to drive stacker, 13x2½, 1 3/16 bore	2 50
P 9	Stacker pulley, 13x2, 1 1/16 bore	2 50
P10	" "	2 50
X2	Arch for separator sill	5 00
27 W	Brace for single gear frame	3 00
39 W	Bevel wheel for single gear	7 00
40 W	" pinion " "	2 00
V 7	Pitman strap	1 00
V 8	Lower stacker box	90
V 9	" "	90
V 13	Beater head	3 00
V 14	"	3 00
V 15	"	2 75
V 16	"	2 75
V 17	" box	90
V 18	Conveyor box	75
V 19	" spout	1 00
V 21	Steady box	3 50
V 25	Flange for stacker raiser shaft	75
V 26	Ratchet flange, raiser shaft	1 25
V 35	Beater box	1 00
V 37	Concave hanger with pin, right hand	2 50
V 38	" " " left "	2 50
V 45	Conveyor box	1 50
V 47	Pulley, 10x4, on fan shaft	3 75
V 48	" 12x4, on beater shaft	4 25
V 50	Concave raiser handle	75
V 51	Catch for above	40
V 60	Box for side gear shaft	3 00
V 61	" " "	3 00
V 63	Bevel wheel for single gear	8 00
V 64	" pinion " "	1 75
V 77	Rock shaft box	1 00
V 88	Straw belt pulley, 24x4¼	8 50
V 91	Inside shake arm	1 00
V 92	Outside "	1 25
V 93	Pitman shaft box	1 00
V 94	Support for swing rod	75
V 99	Poppet head, right hand	1 25
V100	" left "	1 25
V101	Bracket for poppet head	60

PATENT CONCAVES FOR BEARDING BARLEY

Also for Grain Threshing when Straw is Extra Tough and Hard to Thresh

Patent concave, wrought iron, with teeth for	24 inch cylinder	$6 00
" " " " "	28 inch "	7 00
" " " " "	32 inch "	8 00
" " " " "	36 inch "	9 00
" " " " "	40 inch "	10 00

Elevator shaft and rolls at top, all sizes	$3 00
" without rolls at top, "	1 50
" and rolls at bottom, "	2 75
" without rolls at bottom "	1 25

PITTS THRESHERS, POWERS, ETC.—Continued

SUNDRIES FOR THRESHERS

	Price.
Sprocket chain, No. 45, per foot	$ 0 12
Wire shoe rake, all sizes	2 00
Lip shoe rake, all sizes	2 50
Wooden shoe rake	3 00
Swing rod for shoe, long	2 00
" " " short	1 50
Patent folding feed tables, per pair	15 00
Wood rolls under grain belt, each	25
" " for agitator	15
Tooth set	75
Augur wrench	1 50
Monkey wrench	75

	Price.
Belt tightener, complete	$ 7 00
Stud pin for belt tightener pulley, give length	90
" " " handle, " "	90
Belt guide, complete	5 50
Sieve bracket, 4 notches	50
" " 1 notch	20
Brass washer for pivot box	25
Thumb nut for shoe	05
Cast collar with set screw for iron conveyor shaft	45
Sheet iron grain spout	75
Pitman (wooden) with V7 strap	2 50

DIRECTIONS FOR ORDERING THRESHER TEETH

When ordering teeth for Pitts Threshers, state if they are wanted for *single* or *double* bar cylinder. We put up teeth in sets containing the requisite number of each style used in a cylinder or concave. When ordering teeth apart from sets, give the *number* of the tooth wanted. See illustrations on page 174.

TEETH COMPRISING SETS FOR PITTS MACHINES

With 12 Double Bars

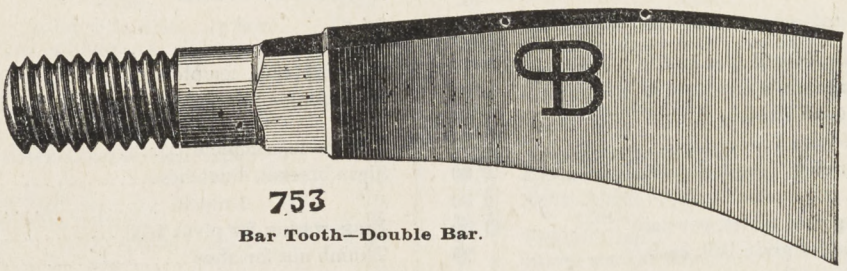
No. of Cylinder Tooth	24 inch cylinder	28 inch cylinder	32 inch cylinder	36 inch cylinder	40 inch cylinder	44 inch cylinder
1308	8	8	8	12	12	12
1309	8	8	20	16	16	16
1310	4	8	8	8	8	8
753	76	84	90	108	120	138
No. of Concave Tooth.						
756	57	69	74	81	102	112
756½	15	15	22	27	18	20

HARVESTER TEETH

All Styles—Give name of Harvester when ordering ..... each, $0 12½

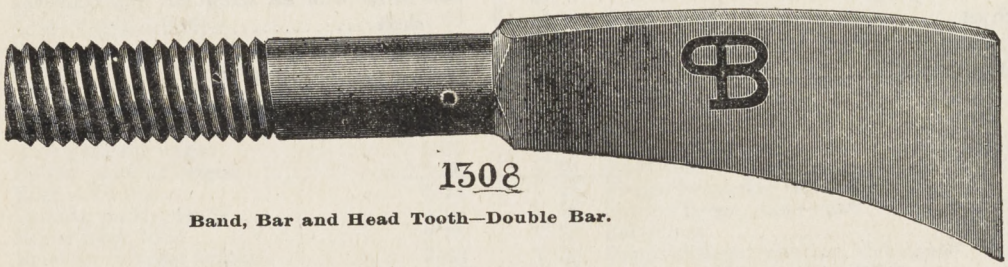
BUFFALO PITTS TEETH—STEEL LAID

All genuine teeth are stamped as shown in cuts.



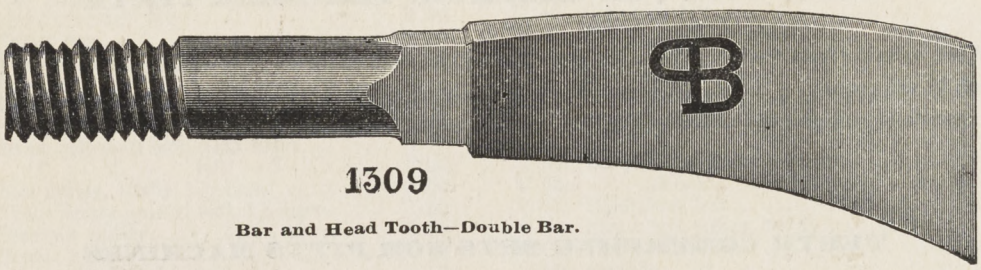
753

Bar Tooth—Double Bar.



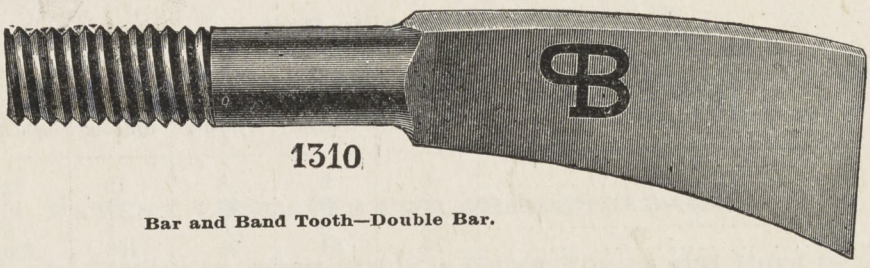
1308

Band, Bar and Head Tooth—Double Bar.



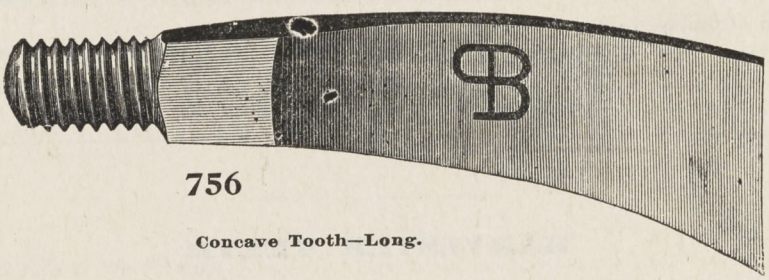
1309

Bar and Head Tooth—Double Bar.



1310

Bar and Band Tooth—Double Bar.



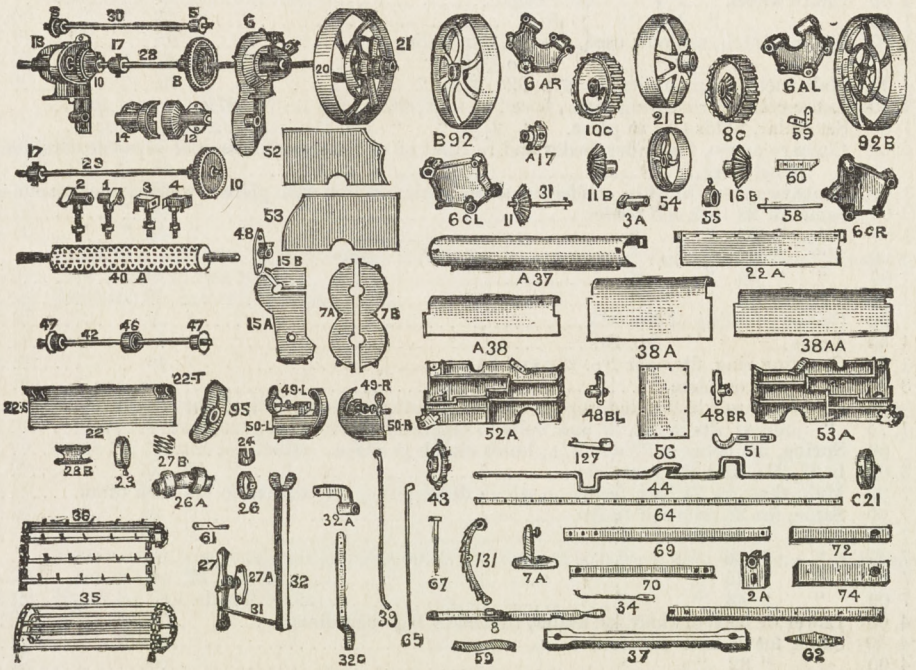
756

Concave Tooth—Long.

Price, with nuts..... ..... each, $0 12½

JACKSON'S SELF-FEEDERS

STYLES 3, 6, 8 and 9, INCLUDING ELEVATORS AND SPREADERS



No.	Price.	Name.	Style used on.
1	$ 1 75	Left tightener box for picker chain, bore $\frac{11}{16}$	All
2	1 75	" " " except is for right side	"
2A	1 25	Flange box, bore $\frac{11}{16}$ inch, used on all Cobb spreaders	....
3	2 00	Right tightener box for chain carrier, fits on front	3
3A	1 75	Right and left tightener box for front end of feeder, tightens chain carrier	8–9
4	2 00	Left tightener box for chain carrier, fits opposite No. 3	3
5	75	Flange pulley, $2\frac{3}{4}$ in. diam., $2\frac{3}{4}$ in. face, $\frac{11}{16}$ in. bore	All
6	15 00	Left hanger, price, including Nos. 7A, 7B and 12	3
6AR	7 50	Right "	8
6AL	7 50	Left "	8
6BR	6 00	Right "	6
6BL	6 00	Left "	6
6CR	6 00	Right "	9
6CL	6 00	Left "	9
7A	1 25	Half gear cover, fits No. 6	3
7AB	2 00	Cast rocker arm, used on Cobb spreader	.....
7B	1 25	Half gear cover, fits No. 6	3
8AB	1 50	Lever for raising and lowering Cobb spreader—casting only	.....
8	4 50	Spur, mitre and chain gear, drives and meshes with No. 10	3
8A	4 50	Same, made more heavily and more strongly, drives and meshes with No. 10A	3
8C	4 50	Spur and bevel gear	8
10	4 00	" chain " meshes with No. 8 only	3
10A	4 00	Same, made more heavily and more strongly, driven by and meshes with No. 8A only	3
10B	4 00	Spur gear	6
10C	4 00	" bore $1\frac{3}{16}$ in	8–9
10D	4 00	" " $1\frac{7}{16}$ "	9
11	4 50	Mitre gear or elevator pinion, $\frac{15}{16}$ in. bore, No. 31 shaft always sent with this	3
11B	3 50	Bevel " " bore $\frac{15}{16}$	8
12	1 50	Box cap and gear cover, fits No. 6	3
13	13 50	Right hanger, price including Nos. 15A, 15B and 14	3
13BR	6 00	" "	6
13BL	6 00	Left "	6
14	1 50	Box cap and gear cover, fits No. 13	3
15A	1 50	Gear cover, fits No. 13	3
15B	50	" " 13	3

JACKSON SELF FEEDERS—Continued

No.	Price.	Name.	Style used on.
16	$3 50	Mitre gear, bore $1\frac{7}{16}$ inch, meshes in No. 8 and 8A	3
16B	3 50	" " $1\frac{7}{16}$ " " " No. 8C and 11B	3
17	1 50	Chain wheel, " $1\frac{7}{16}$ " has 5 cogs	3-8-9
A 17	1 50	" " $1\frac{3}{16}$ " " 5 "	8-9
21R	4 00	Spring clutch, not now used, fits No. 86R pulleys	.....
21L	4 00	" " " " No. 86L "	.....
21B	4 00	Male friction clutch, fits No. 92B, 92C, 92D "	3-8
C 21	1 50	Loose collar for shifting lever, bore $2\frac{15}{16}$ inch, fits loosely on No. 21B	3-8
B 21	1 50	Set collar, holds C21 in place, " $2\frac{15}{16}$ " " No. 21B	3-8
22	5 00	Concave apron, fits under feeder and in front of cylinder, state name of separator and length of cylinder	3
22A	3 00	Concave apron, for 24 in. self feeder, straight plate of iron with piece of wood riveted on one edge	8-9
22B	3 00	Same for 28 inch self feeder	8-9
22C	3 00	" " 32 " "	8-9
22D	3 00	" " 36 " "	8-9
22E	3 00	" " 40 " "	8-9
22F	3 00	" " 44 " "	8-9
23B	1 50	Center coupling of No. 26A	3-8
24	1 50	Loose " No. 26A	3-8
26	1 50	Coupling ring, fits over No. 23B and 24	3-8
26A	8 00	" complete	3-8
27	75	Cast lever to which hand rope is attached, to throw feeder in and out of gear	3-8
27A	1 75	" journal, fits in No. 27 and bolts to separator post	3-8
27B	50	Spring, fits between 27 and 27A, holds clutch in place	3-8
27C	3 00	Is 27, 27A and 27B complete	3-8
28	7 00	Main shaft for 24 inch feeder on which drive pulley fits, turned to $1\frac{7}{16}$ inch diam	3-8-9
28A	7 00	Same, for 28 inch self feeder	3-8-9
28B	7 00	" " 32 " "	3-8-9
28C	7 00	" " 36 " "	3-8-9
28D	7 00	" " 40 " "	3-8-9
28E	7 00	" " 44 " "	3-8-9
29	4 00	Lower or bottom shaft for feeder, turned to $1\frac{7}{16}$ inch diam	3
29A	4 00	Same, for 28 inch self feeder	3
29B	4 00	" " 32 " "	3
29C	4 00	" " 36 " "	3
29D	4 00	" " 40 " "	3
29E	4 00	" " 44 " "	3
A 29	4 00	Lower bottom shaft for 24 inch self feeder, turned to $1\frac{3}{16}$ inch diam	8-9
B 29	4 00	Same, for 28 inch self feeder	8-9
C 29	4 00	" " 32 " "	8-9
D 29	4 00	" " 36 " "	8-9
E 29	4 00	" " 40 " "	8-9
F 29	4 00	" " 44 " "	8-9
30	1 50	Picker and feeder shaft for 24 in. self feeders, $\frac{3}{4}$ inch round iron with $\frac{11}{16}$ in. journal on each end, on which No. 5 fits	All
30A	1 50	Same, for 28 inch self feeder	All
30B	1 50	" " 32 " "	All
30C	1 50	" " 36 " "	All
30D	1 50	" " 40 " "	All
30E	1 50	" " 44 " "	All
A 30	2 50	Picker and feeder shaft for 3 pulleys, to use 3 chains, made of 1 in. iron, state length of cylinder	.....
31	1 00	Elevator shaft, $\frac{15}{16}$ in. diam., $10\frac{1}{2}$ in. long, fits No. 11	3
32	1 50	Shifting lever, wood	3-8
32A	1 50	" " fulcrum, former No. 96, bore $1\frac{7}{16}$ in., fits on end of main shaft No. 28	3-8
32B	40	Connecting rod, former No. 34, connects No. 32 to 27	3-8
32C	50	Strap, bolts on side of No. 32	3-8
32D	4 00	Shifting lever, complete, including 32, 32A, 32B, 32C and A21	3-8
35	16 00	Feed chain carrier for 24 inch feeder, two chains with slats riveted on	3-6-8
35A	16 00	Same, for 28 inch self feeder	3-6-8
35B	16 00	" " 32 " "	3-6-8
35C	16 00	" " 36 " "	3-6-8
35D	16 00	" " 40 " "	3-6-8
35E	16 00	" " 44 " "	3-6-8
35F	8 00	Feed chain carrier for No. 9 feeder, 6 ft. 2 in. long	9
A 35	22 50	" " 3 chains, give length of cylinder	3-6-8
36	5 50	Picker or feed rake, 2 chains with slats riveted on, and teeth in slats, for 24 inch feeder	3-8-9
36A	5 50	Same, for 28 inch self feeder	3-8-9
36B	5 50	" " 32 " "	3-8-9
36C	5 50	" " 36 " "	3-8-9
36D	5 50	" " 40 " "	3-8-9
36E	5 50	" " 44 " "	3-8-9

JACKSON SELF FEEDERS—Continued

No.	Price.	Name.	Style Used.
A 36	$7 00	Picker, or feed rakes, 3 chains with slats riveted on, and teeth in slats, state length of cylinder	
37	3 00	Sheet iron scrole for 24 inch feeder, fits around end of feeder farthest from cylinder	3
37A	3 00	Same, for 28 inch self feeder	3
37B	3 00	" " 32 " " "	3
37C	3 00	" " 36 " " "	3
37D	3 00	" " 40 " " "	3
37E	3 00	" " 44 " " "	3
A 37	3 00	Sheet iron scroll for 24 inch feeder, is fastened to top floor of feeder, fits around end of feeder farthest from cylinder	9
B 37	3 00	Same for 28 inch self feeder	9
C 37	3 00	" " 32 " " "	9
D 37	3 00	" " 36 " " "	9
E 37	3 00	" " 40 " " "	9
F 37	3 00	" " 44 " " "	9
38	2 00	Sheet iron scroll for 24 inch feeder, is fastened to top floor of feeder, fits around lower shaft of No. 35 to run over	3
38A	2 00	Same for 28 inch self feeder	3
38B	2 00	" " 32 " " "	3
38C	2 00	" " 36 " " "	3
38D	2 00	" " 40 " " "	3
38E	2 00	" " 44 " " "	3
A 38	2 00	Sheet iron scroll for 24 inch feeder, is fastened to top floor of feeder, fits around lower feeder shaft for chain carrier to run over	8–9
B 38	2 00	Same for 28 inch self feeder	8–9
C 38	2 00	" " 32 " " "	8–9
D 38	2 00	" " 36 " " "	8–9
E 38	2 00	" " 40 " " "	8–9
F 38	2 00	" " 44 " " "	8–9
38AA	2 00	Lower sheet iron scroll for 24 inch feeder, is fastened to bottom floor of feeder, and fits over top of No. 22	8–9
38BB	2 00	Same, for 28 inch self feeder	8–9
38CC	2 00	" " 32 " " "	8–9
38DD	2 00	" " 36 " " "	8–9
38EE	2 00	" " 40 " " "	8–9
38FF	2 00	" " 44 " " "	8–9
39	1 00	Iron brace, supports feeder	3–8
40B	7 00	Driving roll for 36 inch elevator, with bent crank, covered with sheepskin, used on elevators having Bailey spreaders	
40C	7 00	Same, for 40 inch elevators	
40D	7 00	Driving roll for 36 inch elevator, including No. 9, has straight shaft, drives Cobb spreaders, and fits any 36 inch elevator using same	
40E	7 00	Same, for 40 inch elevator	
42	2 00	Foot shaft for all 36 inch elevators, 1 inch diameter, without pulleys	
42A	2 00	Same, " 40 " 1 " " " "	
43	2 00	Chain wheel, 5 inch diameter, bore $\frac{15}{16}$ inch, 8 cogs	9
D 43	2 00	Same, bore $1\frac{3}{16}$ inch diameter	9
44	7 00	Three crank shaft for 24 inch, drives Cobb spreader	9
44A	7 00	" " 28 " " "	9
44B	7 00	" " 32 " " "	9
44C	7 00	" " 36 " " "	9
44D	7 00	" " 40 " " "	9
44E	7 00	" " 44 " " "	9
C 44	7 00	Same as No. 44, used on 36 inch elevator to drive Cobb spreader	
D 44	7 00	Same, for 40 inch elevator	
45	2 50	Rock shaft for 32 inch feeder and elevator, fits in No. 7A for Cobb spreader	9
45A	2 50	Same, for 36 inch feeder and elevator	9
45B	2 50	" 40 " "	9
46	2 00	Plain pulley, fits in center of 42 and 42A, bore $\frac{15}{16}$ inch diameter	
47	2 00	Flange " $4\frac{1}{2}$ inch diameter, fits on each end of 42 and 42A, is bored to drive tightly and used without set screw or key	
48	1 25	Solid box, babbited, 40B and 40C fit in same	
48A	1 75	Box in halves, 40B and 40C fit in same, other end	
48BR	1 50	Right box, fits No. 40D and 40E on feeder and elevator	9
48BL	1 50	Left " " 40D " 40E " "	9
49R	1 75	Right tightener box, fits No. 42 and 42A	
49L	1 75	Left " " " 42 " 42A	
50R	1 00	Tightening box slide for foot of elevator, right side	
50L	1 00	" " " " left "	
51	2 00	Slotted hook rest, bolts to feeder for elevator to rest in	9
52A	5 00	Right cast side plate, bolts to end of feeders	8–9
53A	5 00	Left " " " " "	8–9

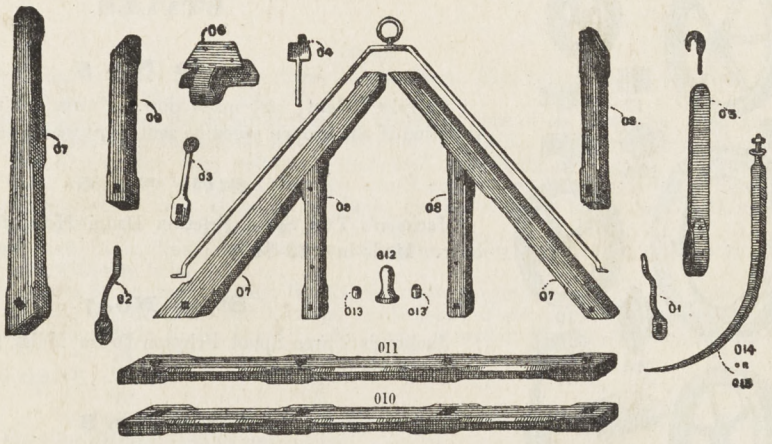
JACKSON SELF FEEDERS—Continued

No.	Price.		Style used on.
52F	$1 00	Pitts cast head for cylinder cap	3
52GE	2 00	Cast cover for end of cylinder	3
52K	6 00	Cylinder cap complete. State name and size of separator and style of feeder	.....
53GE	2 00	Cast head for cylinder cap	3
53F	1 00	Pitts cast head for cylinder cap	3
54	25	Latch for concave apron No. 22A; fits in No. 52A and 53A	.....
55	50	Set collar, $1\frac{1}{16}$ inch wide, $\frac{15}{16}$ inch bore	3
55A	50	" " " " Used on Cobb spreader	.....
55B	75	" 1 inch " $1\frac{3}{16}$ "	8–9
55C	50	" $\frac{5}{8}$ inch " $1\frac{7}{16}$ "	3–8–9
55D	75	" 1 inch " $1\frac{7}{16}$ "	3–8–9
56	50	Sheet iron plate; fits over one side of hole in No. 57K	8–9
57	50	Tightening bolt; $\frac{5}{8}$x9; screws in No. 3A	8–9
58	1 00	Shaft; fits No. 11B	8
59	25	Wrought brace for tail board of feeder, $\frac{1}{8}$x1$\frac{1}{2}$x10$\frac{3}{4}$ inch	8
60	25	" iron piece, bolts to post of feeder to hold side board in place	8
61	25	" pin; is riveted to side board of feeder	8
62	25	" iron strap hinge, 5x1$\frac{1}{2}$ inch	.....
63	25	" bracket to hold tail board of feeder	8
64	15	Chain strap, $\frac{1}{8}$x1 inch, drilled for screws	All.
64A	12$\frac{1}{2}$	Iron staps for elevator, $\frac{1}{8}$x1 inch; drilled for screws	All.
65	75	Wrought fingers for Cobb spreader, each	.....
66	6 25	Feeder chains, 12$\frac{1}{2}$ feet long	3–6–8
66A	1 75	Picker " 3$\frac{1}{2}$ "	3–6–9
66B	3 25	Feeder " 6$\frac{1}{2}$ "	9
66C	3 25	Chain from No. 9 feeder to No. 9 elevator, 6 feet 8 inches long	9
66D	3 00	" No. 9 elevator to Cobb spreader, 5 feet 10 inches long	.....
	35	Feeder chain, other lengths, per foot	.....
	20	Rivets and burrs for same, in pound packages	.....
67	1 50	Square shaft for 36 inch elevator; raises and lowers spreaders	.....
67A	1 50	" " " " " "	.....
68	1 00	Wood post or upright, to which No. 2A bolts holds No. 44	.....
69	50	Adjustable upright for Cobb spreader	.....
70	50	Bar from crank shaft to rock shaft, Cobb spreader	.....
71	1 00	Main post or upright; bolts to elevator and carries crank shaft of Cobb spreader	.....
72	50	Cleat or bearing for No. 67. Used on Cobb spreader	.....
73	1 50	Connection rod for Cobb spreader	.....
74	25	Wood cleat with No. 131; bolts to side of elevator	.....
86R	8 00	Driving pulley for right side. Used with No. 21R. State diameter; price, from	3
86L	8 00	Same for left side. Used with No. 21L. State diameter; price, from	3
92B	6 00	Friction clutch pulley, 24 inch diameter; has small friction cast on the arms; fits No. 21B	3–8
92BC	8 00	Expansion clutch pulley; used on all feeders, either side. Give diameter in ordering	All.
	20 00	Same (24 in., 26 in., or 28 in. as ordered), complete with expansion clutch, lever, collars, etc.	.....
92C	7 00	" 26 in. diameter	All.
92D	8 00	" 28 in. "	All.
B 92	5 00	Plain drive pulley, 24 inch diameter; fitted with set screw; has no clutch	9
C 92	5 50	Same, 26 inch diameter	9
D 92	6 00	" 28 inch "	9
95	25	Curved washer for feeders	.....
97	2 50	Plain pulley, 3 inch face, 9 inch diameter, $\frac{15}{16}$ bore, for Cobb spreader on long elevator	3–9

PRICE LIST OF PARTS OF EXPANSION CLUTCH

98R	2 00	Shoe holder
98L	2 00	"
97	3 50	Body of clutch
100	1 50	Shoe
101	2 00	Clutch collar
102	50	Segment for clutch
32B	1 50	Fulcrum
	1 00	$\frac{1}{2}$x1 inch spring
	50	$\frac{3}{8}$x$\frac{3}{4}$ inch links
	50	$\frac{3}{4}$ inch shoulder screws
	25	$\frac{1}{2}$ inch "
	50	$\frac{3}{16}$ spiral springs
	2 50	Shifting lever
95	25	Curved washer for feeders
	2 50	Plain pulley, 3 in face, 9 in. diam., $\frac{15}{16}$ bore, for Cobb spreader on long elevator
	3 00	Do., 3 in. face, 12 in. diam., $\frac{15}{16}$ in. bore
127	1 50	Cast crank for raising and lowering Cobb spreaders
131	25	" ratchet " " " "
	7 00	Wood pulley to bolt on beater pulley of separator, to drive feeder. 15 in. diam., with 4 hook bolts to attach same
	25	Hooks for same, each
	1 00	Wood brace to carry box No. 52

JACKSON LIGHT WEIGHT DERRICK FORK



Numbers 3, 3½, 4, 4½, 5 and 6 are iron clips which are riveted to the upper ends of the outside arm 07. The number indicates the size, in feet, of the fork they fit, measured between centers of outside tines. Price, $1.00.

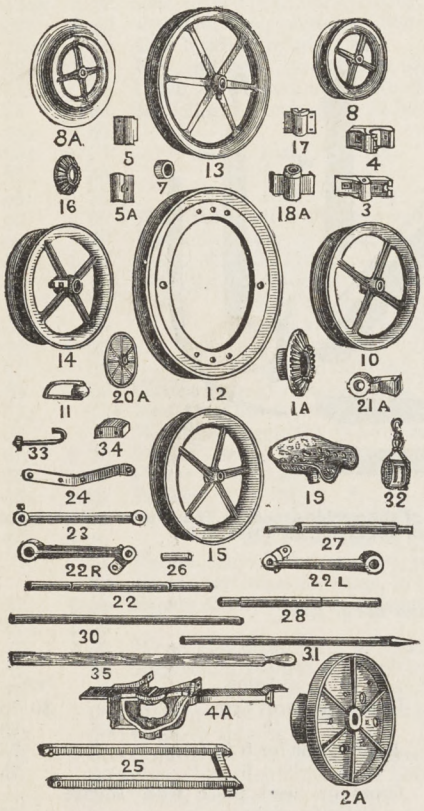
In ordering extras, be sure to state number and size of fork.

No.	Size.	Name.	Price.
01		Iron brace—supports tine from right outside arm	$ 0 50
02		Same as No. 1, on left side of head	50
03		Straight iron brace, supports center tine	50
04		Bolt or latch, locks the bail while loaded	50
		Spring for latch	50
05		Hook and leather strap	50
06	3 ft.	Bail to hoist fork	2 50
06	3½ "	" "	2 75
06	4 "	" "	3 00
06	4½ "	" "	3 00
06	5 "	" "	3 25
06	6 "	" "	3 50
07	3 "	Main or long arm, best hickory	1 25
07	3½ "	" " "	1 25
07	4 "	" " "	1 25
07	4½ "	" " "	1 35
07	5 "	" " "	1 50
07	6 "	" " "	1 65
08	3 "	Center or short arm	75
08	3½ "	" "	75
08	4 "	" "	75
08	4½ "	" "	75
08	5 ft.	Center or short arm	$0 75
08	6 "	" "	75
09	5 "	Extra arms for 5 ft. forks	75
09	6 "	" " 6 "	75
010	3 "	Cross or head piece with square holes for tines	75
010	3½ "	Same	75
010	4 "	"	75
010	4½ "	"	75
010	5 "	"	75
010	6 "	"	75
011	3 "	Cross or head piece with round holes for tines	50
011	3½ "	Same	50
011	4 "	"	50
011	4½ "	"	50
011	5 "	"	50
011	6 "	"	50
012		Handles	10
013		Blocks or thimbles	05
014		Tines for all sizes except 3 ft hay forks	2 50
015		Tines for 3 ft. hay forks	2 00
016	5 "	" extra long	3 00

JACKSON ALL IRON BLOCKS

Name.	Price.
Complete, with hook	$5 00
" " bolt	5 00
Sides, each	1 50
Sheave	2 00
Hook or bolt, each	50

JACKSON'S FORK HOISTS



STYLES

Style No. 5

Carlyle Patent; not made now. Extras for this style can be supplied if the broken piece be sent or properly described.

Style No. 6

Jackson's Two Spool Friction Drum Hoist, for high derricks only. Made in 1883–84.

Style No. 7

Jackson's Three Spool Friction Drum Hoist, for high derricks only. Made in 1883–84.

Style No. 8

Jackson's Two Spool Friction Drum Hoist, for low derricks only. Made in 1883–84.

Style No. 9

Jackson's Three Spool Friction Drum Hoist, for low derricks only. Made in 1883–84.

Style No. 10

Jackson's Expansion Clutch Fork Hoist, now the standard machine. Made with two or three drums for two or three forks.

No.	Price.	Name.	Style used on.
1	$2 50	Small friction wheel, 5 in. diam., $1^{11}/_{16}$ in. diam. bore, fits counter shafts No. 30 and 30A	6–7–8–9
1A	9 00	Bevel wheel with friction cast on it, bore $1^{11}/_{16}$ in. diam., fits No. 30	8–9
2	15 00	Friction drum, 20 in. diam., bore $1^{15}/_{16}$ in. diam. made in 1883	6–7–8–9
2A	15 00	Male friction drum, 20 in. diam., bore $2^{3}/_{16}$ in. diam., has half of rope drum cast on it, and turned out to fit No. 2B; it is made stronger than No. 2; made or sold in 1884	6–7–8–9
2B	15 00	Female friction drum, 20 in. diam., bore $2^{3}/_{16}$ in. diam.; same as No. 2A, only is turned on edge of rope drum to fit No. 2A	6–7–8–9
2C	15 00	Male friction, 20 in. diam., bore $1^{15}/_{16}$ in. diam.; same as No. 2A except in bore, and fits on all hoists made prior to 1884	.....
2D	15 00	Female friction, 20 in. diam., bore $1^{15}/_{16}$ diam.; same as No. 2B except in bore; fits on No. 2C.	.....

In ordering drums for hoists made in 1883, order 2C and 2D; they are made to fit each other, and take the place of No. 2, being much stronger; 2A and 2B are also made to fit each other.

2E	30 00	Complete drum, with frictions Nos. 2C and 2D; used in 1883	.....
2F	30 00	" " " " Nos. 2A " 2B; " 1884	.....
3	4 50	Solid box, bore $1^{15}/_{16}$ in. diam.; fits on ends No. 27 eccentric shaft	6–7–8–9
4	4 00	Counter shaft box, babbitted to $1^{11}/_{16}$ in. shaft	.....
4A	15 00	Center bearing with counter shaft and upright shaft boxes cast on; made stronger than in 1883.	8–9
5	1 00	Box cap, fits on No. 4 box	.....
5A	1 00	" " No. 4A bearing	8–9
6	25 00	Corner turner, complete, used with any hoist	.....
7	50	Loose collar, bore $1^{15}/_{16}$ in. diam., fits No. 27 eccentric shaft; used on all hoists made in 1883.	.....
7A	50	" " " $2^{3}/_{16}$ " " No. 27A " " " " " after "	.....
8	3 50	Top sheave pulley for corner turner, 10 in. diam., bore $1^{1}/_{16}$ in. diam.; was used in 1883....	.....
8A	3 50	" " " " 8 " " $1^{1}/_{16}$ " has wide flange to prevent rope from getting in between the pulleys, and will not fit in the place of No. 8....	.....

JACKSON FORK HOISTS—Continued

No.	Price.	Name.	Style used on.
10	$ 4 00	Lower sheave pulley for corner turner, 14 in. diam., bore $1\frac{1}{16}$ in. diam., was used in 1883, fits with No. 8, will not fit with No. 8A	.....
10A	4 00	Lower sheave pulley for corner turner, 11 in. diam., bore $\frac{1}{16}$ in. diam., has wide flange to prevent rope dropping off, fits No. 8A, will not fit with No. 8. If you need two pulleys order Nos. 8A and 10A; they will fit the shaft used in 1883 and are a great improvement, as the lower flanges are wider and the rope cannot possibly get in between the pulleys	.....
11	1 50	Oil cup for corner turner, bored $\frac{1}{16}$ in. diam., has set screw to fasten to No. 28 shaft, fits all corner turners	.....
12	8 50	Ring sheave, 24 in. diam., bolts to arms of engine pulley for driving rope to run on, can be used with any hoist	.....
12A	10 00	Ring sheave, 30 in. diam., former No. 24, for same purpose as No. 12. If your engine runs fast, No. 12 will give your hoist the right speed; If slow, you will require No. 12A	.....
13	12 00	Sheave pulley, 24 in. diam., bored $1\frac{1}{16}$ in. diam., is used on No. 30A countershaft of hoists	6–7
13A	12 00	" 24 " " $1\frac{7}{16}$ "	10–11
13B	10 00	Rope sheave, 20 " " $1\frac{1}{16}$ "	.....
13C	10 00	" 20 " " $1\frac{7}{16}$ "	.....
14	5 00	" pulley, 12 in. diam., bore $1\frac{7}{16}$ in. diam., fits on lower end of No. 29 shaft, under hoist for driving rope to run around	8–9
15	7 50	Rope sheave pulley, 15 in. diam., bore $1\frac{7}{16}$ in. diam., fits in same place as No. 14, and is used instead of No. 14 when the speed requires it	8–9
15A	9 00	Same as No. 15, only 18 in. diam	8–9
16	4 00	Bevel pinion, bore $1\frac{7}{16}$ in. diam., fits on top end of No. 29, meshes with No. 1A	8–9
16A	4 00	" " $1\frac{7}{16}$ " " " " 47 shaft, and meshes with No. 39 friction gear	10
17	1 50	Box cap for No. 29 shaft, fits on No. 4A	.....
18A	2 00	Solid box, babbitted to $1\frac{7}{16}$ in., is an improvement on No. 18 used in 1883, fits on lower end of No. 29, under hoist, and should be used in place of No. 18	8–9
19	2 50	Iron seat, used on all low derrick hoists	.....
20	2 00	Foot plate for lower end of corner turner, has square hole in center to rivet No. 29 shaft into.	.....
20A	2 00	" " " " " round hole bored to $1\frac{1}{16}$ in. diam. for shaft to be driven in and fastened with set screw	.....
21	2 50	Socket for lever, bored $1\frac{5}{16}$ in. diam., keyed to No. 27 shaft, was used in 1883, takes the place of No. 6	.....
21A	2 50	Socket for lever, bored $2\frac{3}{16}$ in. diam., keyed to 27A shaft, same as No 21, only for $2\frac{3}{16}$ in. shaft as now used on all hoists	.....
22	25 00	Rope tightener, complete, used on all high derrick hoists	.....
22R	4 00	Right top link for rope tightener No. 22, one end bored to $1\frac{11}{16}$ in., the other end bored to $1\frac{1}{16}$ in., hangs loose to countershaft	6–7
22L	4 00	Same, for left side	.....
22AR	4 00	Right top link for rope tightener No. 22, top end bored to $\frac{7}{16}$ in., otherwise same as No. 22R	.....
22AL	4 00	Same, for left hand	.....
23	2 00	Lower link for rope tightener No. 22	.....
24	75	Wrought iron strap for corner turner No. 6, fits on lower side of pulleys, has holes to fit on shaft and hook pulley block in	.....
24A	75	Wrought top strap for corner turner No. 6, fits on upper side of pulleys, has rivet holes for oil cup No. 11	.....
24B	75	Wrought strap for No. 22, has $1\frac{1}{16}$ in. diam. holes in each end, used for pulling back No. 22	.....
25	3 00	Wood frame for No. 22, is bolted to derrick platform	.....
26	75	Short shaft or pin, $1\frac{1}{16}$ in. diam., $7\frac{1}{4}$ in. long, for idler pulley to run on in No. 22	.....
26A	75	Shaft or pin, $\frac{1}{1\frac{1}{16}}$ " $9\frac{5}{8}$ " " " " " 22	.....
27	5 00	Eccentric shaft, $1\frac{1}{16}$ in. diam., was used in 1883	.....
27A	6 00	" $2\frac{3}{16}$ " used since 1883	.....
28	1 50	Shaft for No. 6, $1\frac{1}{16}$ in. diam., 22 in. long	.....
29	3 50	Upright shaft, $1\frac{7}{16}$ " fits under hoist	8–9
30	6 50	Countershaft	8–9
30A	7 50	"	6–7
31	1 50	Guy stake, used with all low derrick hoists	.....
32	1 75	Double pulley block for tightener rope	All
33	50	Hook bolt, $\frac{5}{8}$ in., to bolt ring sheave to pulley of engine to drive hoist	"
34	25	Wood block, bolts between ring sheave and pulley arms	"
35	1 00	Lever or handle for operating hoists, used on all styles	"

JACKSON FORK HOISTS—Continued

No.	Price.		Style used on
36	$15 00	Hanger	10
37	4 00	Box, holds drum shaft	10
38	1 50	Bracket	10
39	20 00	Large friction gear	10
40	20 00	Drum	10
41R	4 00	Shoe holders for clutch	10
41L	4 00	" " "	10
42	3 00	Clutch collars	10
43A	50	Collar	10
44	2 00	Levers	10
45	1 00	Collar on upright shaft	10
46	3 50	Iron shoe for clutch	10
47	3 50	Upright shaft, 32 in. long	10
48	6 50	Main shaft, 50½ in. long	10
49	75	Brace, 28 in. long	10
50	2 00	Wedge for clutch	10
51	50	Steel spring for clutch	10

RING SHEAVES FOR ENGINE

No.	Name.	Price.
12 B	20 in. diam	$7 00
12 C	22 " "	7 75
12	24 " "	8 50
12 D	26 in. diam	$9 00
12 E	28 " "	9 50
12 A	30 " "	10 00

SHEAVES FOR COUNTERSHAFT

No.	Name.	Price.
13 D	11 in. diam, bore $1\frac{7}{16}$ inch	$4 00
13 E	11 " " $1\frac{11}{16}$ "	4 00
13 F	15 " " $1\frac{7}{16}$ "	7 50
13 G	15 " " $1\frac{11}{16}$ "	7 50
13 H	16 " " $1\frac{7}{16}$ "	8 00
13 I	16 " " $1\frac{11}{16}$ "	8 00
13 J	18 " " $1\frac{7}{16}$ "	9 00
13 K	18 in. diam., bore $1\frac{11}{16}$ inch	$9 00
13 B	20 " " $1\frac{11}{16}$ "	10 00
13 C	20 " " $1\frac{7}{16}$ "	10 00
13 L	22 " " $1\frac{7}{16}$ "	11 00
13 M	22 " " $1\frac{11}{16}$ "	11 00
13	24 " " $1\frac{11}{16}$ "	12 00
21 A	24 " " $1\frac{7}{16}$ "	12 00

WIDE FLANGE SHEAVES

No.	Name.	Price.
15	15 in. diam, bore $1\frac{7}{16}$ in.	$7 50
15 B	16 " " "	8 00
15 A	18 " " "	9 00
15 D	20 in. diam, bore $1\frac{7}{16}$ in.	$10 00
15 E	22 " " "	11 00
15 F	24 " " "	12 00

JACKSON DERRICK

No.	Name.	Price.
160	Hinge for derrick pole, bolted to platform	$1 25
160R	" " " " pole.	1 50
160L	" " " " "	1 50
161	Hinge for snatch block support, bolted to platform	1 50
161R	Hinge for snatch block, bolted to support	1 50
161L	" " " " "	1 50
162R	" table or platform extension, bolted to platform	25
162L	Hinge for table or platform extension, bolted to platform	25
163	Hinge, bolt to table	25
164	Bracket on block support, for derrick to rest on when down	40
165	Guide on derrick pole, to hold block support	40
166R	Angle or foot piece for center pole	75
166L	" " " "	75
167	" washer, top of outside poles	40
168	Straight washer, two square holes	40
169	Eye bolt and ring	50
170	Stirrup bolts	1 25
171	Bolt, 1½ inch diameter, 21 inches long.	$1 00
172	Wrought iron hook, holds snatch block	1 00
	Link chain for blocks	75
	Complete set of bolts for derrick and platform	8 50
	Snatch block support	15 00
	Derrick, all framed and painted, but shipped in the knock down to save freight, with plans and specifications for setting it up	80 00
	Complete set of 3 poles, ironed, for either high or low derrick	25 00
	Complete set of irons and bolts, for either high or low derrick, including plan	40 00
	Set of manilla fork and guy ropes, comprising:	
	180 ft. ¾ in. diameter rope for guys, 30 lbs. at 15 cts	4 50
	200 ft. ¾ in. diam. rope for forks, 55 lbs. at 15 cts	8 25

WIRE ROPE

HOISTING ROPE

With 19 Wires to the Strand. For Derricks, Hoists, Elevators, Etc.

IRON								CAST STEEL							
Trade No.	Price per foot in cts.	Diameter.	Circum. in inches.	Weight per foot in pounds.	Breaking strain in tons.	Proper work'g load in tons	Circum. of hemp rope of equal strength.	Trade No.	Price per foot in cts.	Diameter.	Circum. in inches.	Weight per foot in pounds.	Breaking strain in tons.	Proper work'g load in tons.	Circum. of hemp rope of equal strength.
1	100	2¼	6¾	8.00	74.00	15	.....	1	152	2¼	6¾	8.00	155	31	.....
2	78	2	6	6.30	65.00	13	12	2	120	2	6	6.30	125	25	.....
3	69	1⅞	5½	5.25	54.00	11	10	3	100	1¾	5½	5.25	106	21	.....
4	58	1⅝	5	4.10	44.00	9	9½	4	80	1⅝	5	4.10	86	17	.....
5	53	1½	4¾	3.65	39.00	8	9	5	71	1½	4¾	3.65	77	15	.....
5½	43	1⅜	4⅜	3.00	33.00	6½	8	5½	60	1⅜	4⅜	3.00	63	12	12
6	36	1¼	4	2.50	27.00	5½	7½	6	50	1¼	4	2.50	52	10	10
7	29	1⅛	3½	2.00	20.00	4	6½	7	41	1⅛	3½	2.00	42	8	9
8	26	1	3⅛	1.58	16.00	3	5½	8	34	1	3⅛	1.58	33	6	8
9	20	⅞	2¾	1.20	11.50	2½	5	9	27	⅞	2¾	1.20	25	5	7
10	16	¾	2¼	0.88	8.64	1¾	4¼	10	21	¾	2¼	0.88	18	3½	6
10¼	14	⅝	2	0.60	5.13	1¼	3¼	10¼	18	⅝	2	0.60	14	2½	5¼
10½	12	9/16	1⅝	0.44	4.27	¾	3	10½	17	9/16	1⅝	0.44	9	1½	4¼
10¾	10	½	1½	0.35	3.48	½	2¾	10¾	15	½	1½	0.35	7½	1	4
10⅞	8	7/16	1¼	0.26	2.50	⅜	2¼	10⅞	12	⅜	1¼	0.26	4½	¾	3

TRANSMISSION AND STANDING ROPE

With 7 Wires to the Strand

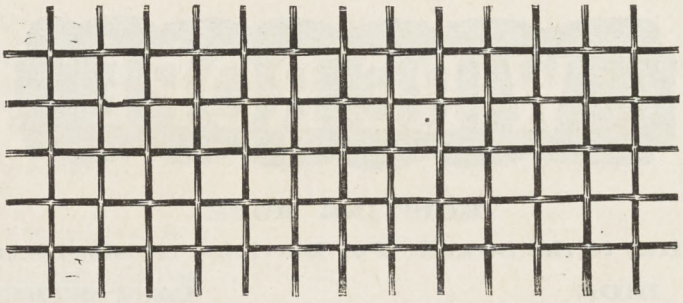
IRON								CAST STEEL							
Trade No.	Price per foot in cts.	Diameter.	Circum. in inches.	Weight per foot in pounds.	Breaking strain in tons.	Proper work'g load in tons.	Circum. of hemp rope of equal strength.	Trade No.	Price per foot in cts.	Diameter.	Circum. in inches.	Weight per foot in pounds.	Breaking strain in tons.	Proper work'g load in tons.	Circum. of hemp rope of equal strength.
11	48	1½	4⅝	3.37	36.00	9	8½	11	70	1½	4⅝	3.37	62	13	12
12	39	1⅜	4¼	2.77	30.00	7½	8	12	60	1⅜	4¼	2.77	52	10	10
13	34	1¼	3¾	2.28	25.00	6¼	7	13	50	1¼	3¾	2.28	44	9	9½
14	27	1⅛	3⅜	1.82	20.00	5	6½	14	40	1⅛	3⅜	1.82	36	7½	8½
15	23	1	3	1.50	16.00	4	5½	15	32	1	3	1.50	30	6	8
16	19	⅞	2⅝	1.12	12.30	3	5¼	16	25	⅞	2⅝	1.12	22	4½	6½
17	14	¾	2⅜	0.88	8.80	2¼	4¼	17	19	¾	2⅜	0.88	17	3½	6
18	12	11/16	2⅛	0.70	7.60	2	4	18	16	11/16	2⅛	0.70	14	3	5½
19	10½	⅝	1⅞	0.57	5.80	1½	3¼	19	14	⅝	1⅞	0.57	11	2¼	5
20	8	9/16	1⅝	0.41	4.10	1	2¾	20	11	9/16	1⅝	0.41	8	1¾	4
21	7	½	1⅜	0.31	2.83	¾	2½	21	8	½	1⅜	0.31	6	1¼	3½
22	5½	7/16	1¼	0.23	2.13	½	2¼	23	7	7/16	1¼	0.19	4	1	2¾
23	5	⅜	1⅛	0.19	1.65	⅜	2	24	5	5/16	1	0.16	3	¾	2½
24	4	5/16	1	0.16	1.38	¼	1¾	.....	.....	.....	.....	.....	.....	.....	.....
25	3½	9/32	⅞	0.125	1.03	⅙	1½	.....	.....	.....	.....	.....	.....	.....	.....

Subject to Discount.

NOTE.—The two kinds of rope listed above are largely used for agricultural machinery, the most pliable variety containing the nineteen wires in the strand. For this reason it is used for hoisting forks, etc.; while the rope with seven wires to the strand is adapted for hay carrier cables, guys, etc., being stiffer.

When ordering, give diameter of rope, number of wires to strand, and state if iron or steel.

WIRE CLOTH



CRIMPED SPARK WIRE CLOTH
For Smoke Stacks

No. 2	Mesh,	No. 10	Wire,	per	square	foot....	$0 38
" 2½	"	" 11	"	"		....	38
" 3	"	" 12	"	"		....	38
" 3½	"	" 13	"	"		....	38
" 4	"	" 14	"	"		....	35
" 5x2	"	" 14	"	"		....	38
" 5	"	" 15	"	"		....	38
" 6	"	" 16	"	"		....	38
" 8	"	" 18	"	"		....	48
" 10	"	" 19	"	"		....	48
" 12	"	" 20	"	"		....	48

Regular widths, 24 in., 30 in. and 36 in.

BLACK IRON WIRE CLOTH
For Grain Sieves, Screens, Etc.

No. 2	Mesh,	No. 18	Wire,	per	square	foot ...	$0 08
" 2½	"	" 19	"	"		....	8
" 3	"	" 20	"	"		....	8
" 3½	"	" 21	"	"		....	8
" 4	"	" 22	"	"		....	8
" 5	"	" 23	"	"		....	8
" 6	"	" 24	"	"		....	8
" 8	"	" 26	"	"		....	8

GALVANIZED AFTER WOVEN

Above sizes, per square foot..... $0 08

Regular widths, 24 in., 30 in., 36 in., and 48 in.

Iron wire cloth, galvanized after woven, is specially adapted for screening grains, as wires are soldered so that they keep their position. Crimped wire cloth is also used for the same purpose, and the wires retain their position.

CHESS CLOTH, OR LONG MESH WIRE CLOTH

Mesh	1x4	per square foot.....		$0 15
"	¾x5	"		15
"	2x6	"		15
"	2x7	"		15
"	2x8	"		15
"	2x9	"		15
"	2x10	"		15
"	2x11	"		15

Mesh	2x12	per square foot.....		$0 15
"	3x9	"		15
"	3x10	"		15
"	3x11	"		15
"	3x12	"		15
"	4x12	"		15
"	4x14	"		15
"	4x16	"		15

Regular widths, 24 in., 30 in., 36 in. and 48 in.

CRIMPED WIRE CLOTH

For grain sieves and screens, all meshes, per square foot..... $0 25

Made to order, any width, length or mesh.

PERFORATED SIEVES
For Grain Cleaners, Fanning Mills, Etc.

Made of zinc, any size hole, per square foot..... $0 65
" soft steel or iron, " 75

Directions For Ordering Wire Cloth, Etc.

Give length and width of piece wanted, also mesh of cloth.

State use for which it is intended.

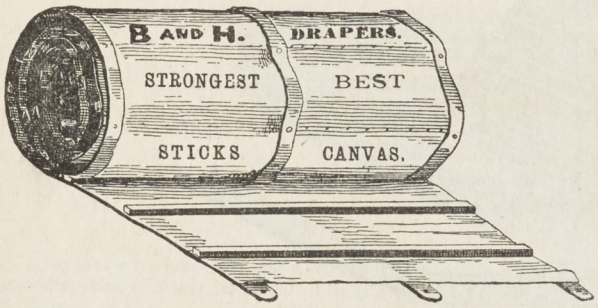
When ordering chess cloth make sketch showing the length and width of mesh in relation to the length and width of piece ordered. In weaving chess cloth the long way of mesh runs with the width of the cloth.

When ordering perforated screens or sieves give extreme length and width of piece and shape and size of perforations. When replacing an old one better send a small piece of it as sample. To make sure that mesh runs the proper way of your measurements, send sketch.

When filling orders for pieces not regular width we send the nearest width larger than one ordered. We cannot accept return of pieces cut from roll.

DRAPERS

Our Drapers are our own manufacture. All Drapers are made of the following materials:



STICKS—Are made of selected timber, and have bevelled edges to prevent cutting the canvas.

BELTS—Are of best quality of leather.

CANVAS—Six ounce canvas, made expressly to our order and for this purpose, being of a uniform width and quality.

All Drapers riveted to insure smoothness when in actual service. We use coppered iron rivets.

HEADER DRAPERS—35½ INCH WIDE
Two Buttons Between Sticks

Size of Header.	Length.	With 2-1½ inch Belts.	With 3-1½ inch Belts.	With 2-2 inch Belts.	With 2-2 inch Belts. 1-1½ inch Belt.
10 foot short spout	41 ft. 8 in.	$21 00	$25 00	$22 50	$27 25
10 " long "	45 ft. 8 in.	23 00	28 00	25 00	29 50
12 " short "	45 ft. 8 in.	23 00	28 00	25 00	29 50
12 " long "	49 ft. 8 in.	24 50	30 00	26 50	31 50
14 " short "	49 ft. 8 in.	24 50	30 00	26 50	31 50
14 " long "	53 ft. 8 in.	26 00	32 00	29 00	33 00

39½ INCH WIDE

10 foot short spout	41 ft. 8 in.	$24 50	$30 00	$27 50	$28 75
10 " long "	45 ft. 8 in.	27 00	34 00	30 00	31 50
12 " short "	45 ft. 8 in.	27 00	34 00	30 00	31 50
12 " long "	49 ft. 8 in.	28 75	36 00	32 50	33 50
14 " short "	49 ft. 8 in.	28 75	36 00	32 50	33 50
14 " long "	53 ft. 8 in.	31 25	40 00	35 00	36 00
16 " short "	53 ft. 8 in.	31 25	40 00	35 00	36 00
16 " long "	57 ft. 8 in.	33 50	42 50	38 00	39 00

HARVESTER DRAPERS

Give name of harvester and description of draper. Price is same as header drapers of corresponding length.

JACKSON ELEVATOR DRAPERS

	Length.	Width, 36 in. With 3-1½ in. Belts.	Width, 40 in. With 2-2 in. Belts. 1-1½ in. Belt.
For 16 ft. elevator	32 feet.	$19 50	$23 00
" 20 ft. "	40 "	24 00	27 50
" 24 ft. "	48 "	28 25	32 00
" 28 ft. "	56 "	32 75	36 50

36 in. drapers use same list as 35½ in.
4 in. " " " 39½ in.
42 in. " " " 39½ in., add 3 cts. per ft.

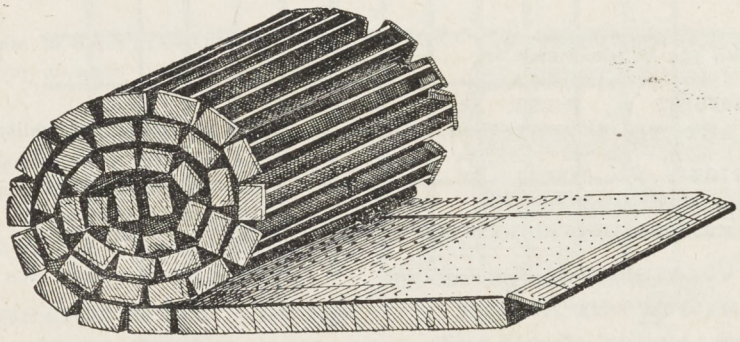
44 in. drapers use same list as 39½ in., add 5 cts. per ft.
46 in. " " " 39½ in., 10 cts. "

DRAPER STICKS

40 inch or less, selected, per hundred.....$5 00 Over 40 inch, selected, per hundred.....$7 50
Iron draper rivets, coppered or tinned, $\frac{15}{16}$ inch, No. 8 (in pound papers).....$0 35

When ordering give exact length, width and description according to list. Special sizes made to order on short notice.

GRAIN CARRIERS



Made of best canvas, selected maple slats and cell heads, extra leather belting.

When ordering give extreme length and width, also depth of cell.

The following have been used on the Buffalo, Bronson and Rival Pitts Separators:

Size of Thresher.		Width of Belt.	Length of Belt.	Depth of Cell.	Price
No. 1 24x32,		31¼ inches,	19 feet 6 inches,	1½ inches.	$30 00
No. 1 24x36,		35¼ "	19 " 6 "	1½ "	32 50
No. 2 28x36,		35¼ "	19 " 6 "	1½ "	32 50
No. 2 28x40,		39¼ "	19 " 6 "	1½ "	35 00
No. 4 32x40,		39¼ "	19 " 6 "	1½ "	35 00
No. 4 32x44,		43¼ "	19 " 6 "	1½ "	37 50
No. 6 36x44,		43¼ "	19 " 6 "	1½ "	37 50
No. 6 36x48,		47¼ "	19 " 6 "	2 "	44 50
No. 8 40x48,		47¼ "	19 " 6 "	1½ "	40 00
No. 8 40x52,		51¼ "	19 " 6 "	2 "	45 00
No. 10 36x52,		51¼ "	19 " 6 "	2 "	45 00
No. 12 40x56,		55¼ "	19 " 6 "	2 "	49 50
No. 14 36x56,	1891–1892,	55¼ "	19 " 6 "	2 "	49 50
No. 14 36x56,	1893–1894,	55¼ "	17 " 10 "	2 "	47 50
No. 16 40x60,	1891–1892,	59¼ "	19 " 6 "	2 "	52 00
No. 16 40x60,	1893–1894,	59¼ "	17 " 10 "	2 "	50 00
No. 20 44x64,	1891–1892,	63¼ "	19 " 6 "	2 "	57 00
No. 20 44x64,	1893–1894,	63¼ "	17 " 10 "	2 "	55 00
No. A 24x36,		35¼ "	18 " 10 "	2 "	35 00
No. A 24x40,		39¼ "	17 " 10 "	2 "	37 50
No. B 28x40,		39¼ "	18 " 10 "	2 "	38 50
No. B 28x44,		43¼ "	17 " 10 "	2 "	40 00
No. C 32x48,	1888–1891,	47¼ "	18 " 10 "	2 "	43 50
No. C 32x48,	1892–1894,	47¼ "	17 " 10 "	2 "	42 50
No. D 36x52,	1888–1891,	51¼ "	18 " 10 "	2 "	46 00
No. D 36x52,	1892–1894,	51¼ "	17 " 10 "	2 "	45 00
No. G 36x56,	1893-1894,	55¼ "	17 " 10 "	2 "	47 50

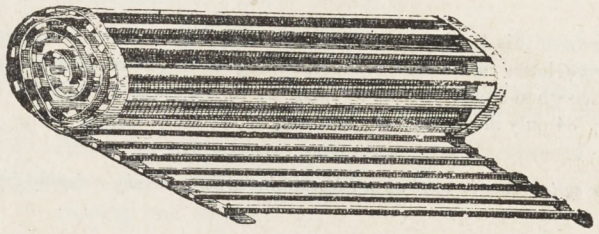
GRAIN CARRIER SLATS

Length	31¼	35¼	39¼	43¼	47¼	51¼	55¼	59¼	63¼
Width, 1½ inch, each	$0 06	$0 06	$0 06	$0 08	$0 08	$0 08	.....	.....	.....
" 2 inch, "	07	07	07	09	09	09	$0 09	$0 10	$0 12

CELL HEADS

Each $0 05

STRAW CARRIERS



Our straw carriers are made with 3 extra leather belts Basswood sticks fastened to belts with clinch nails; distance between sticks is 2 inches. Sticks are nailed to belts on the flat—if wanted cornerwise, order so.

When ordering give *extreme length and width*, in all cases, as we have no record of the lengths and widths used in the different machines—the changes have been numerous.

Width, inches	31	35	39	43	47	51	55	59
Price, per foot	$0 50	$0 52½	$0 55	$0 60	$0 62½	$0 65	$0 65	$0 67½
Extra sticks, Basswood, per dozen	60	60	65	65	75	75	90	1 00
" Hardwood "	75	75	80	80	90	90	1 00	1 15
Extra for hardwood sticks, riveted to belts, per foot								$0 12½

CHAFF PILER CARRIERS

Our chaff piler carriers are made with two 2 inch rubber belts with hardwood slats riveted on.

Width, inches	31	35	39	43	47	51	55	59
Price, per foot	$0 35	$0 37½	$0 40	$0 42½	$0 45	$0 47½	$0 50	$0 55
Extra slats, ⅝x1¼ in., per dozen	1 00	1 15	1 25	1 25	1 35	1 50	1 70	2 00

DRAPER AND GRAIN CARRIER DUCK

Duck, width, inches	30	35½	39½	42	43¼	47¼	51¼	55¼	59¼
Price, per yard	$0 45	$0 50	$0 65	$0 70	$0 75	$0 80	$0 85	$0 90	$0 95

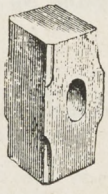
ELEVATOR BELTS WITH BUCKETS

With 5½ inch buckets, per foot	$0 60
" 7½ " "	70
" 9 " "	75
Extra buckets, 5½ inch, each	20
" 7½ " "	25
" 9 " "	25

WHEN ORDERING, give exact length of belt and width of cups.

CAST IRON SLEDGES

For driving horse power stakes, fence posts, etc.



Cut shows style of 8 lb. sledge—all other sizes have square face.

Sizes, 8, 10, 12, 14, 16 and 18 lb. each, per pound $0 07

BENICIA MOWER

☞ In ordering repairs from this list be sure to give the letter and number of all parts that are numbered; of all parts not numbered, give letter and number corresponding to the description of such parts herein given. Look in the year column to see when a part was used—thus, '84 means used in 1884 and since; '84–5 means used for the years 1884 and 1885; '84 only means used for 1884 only.

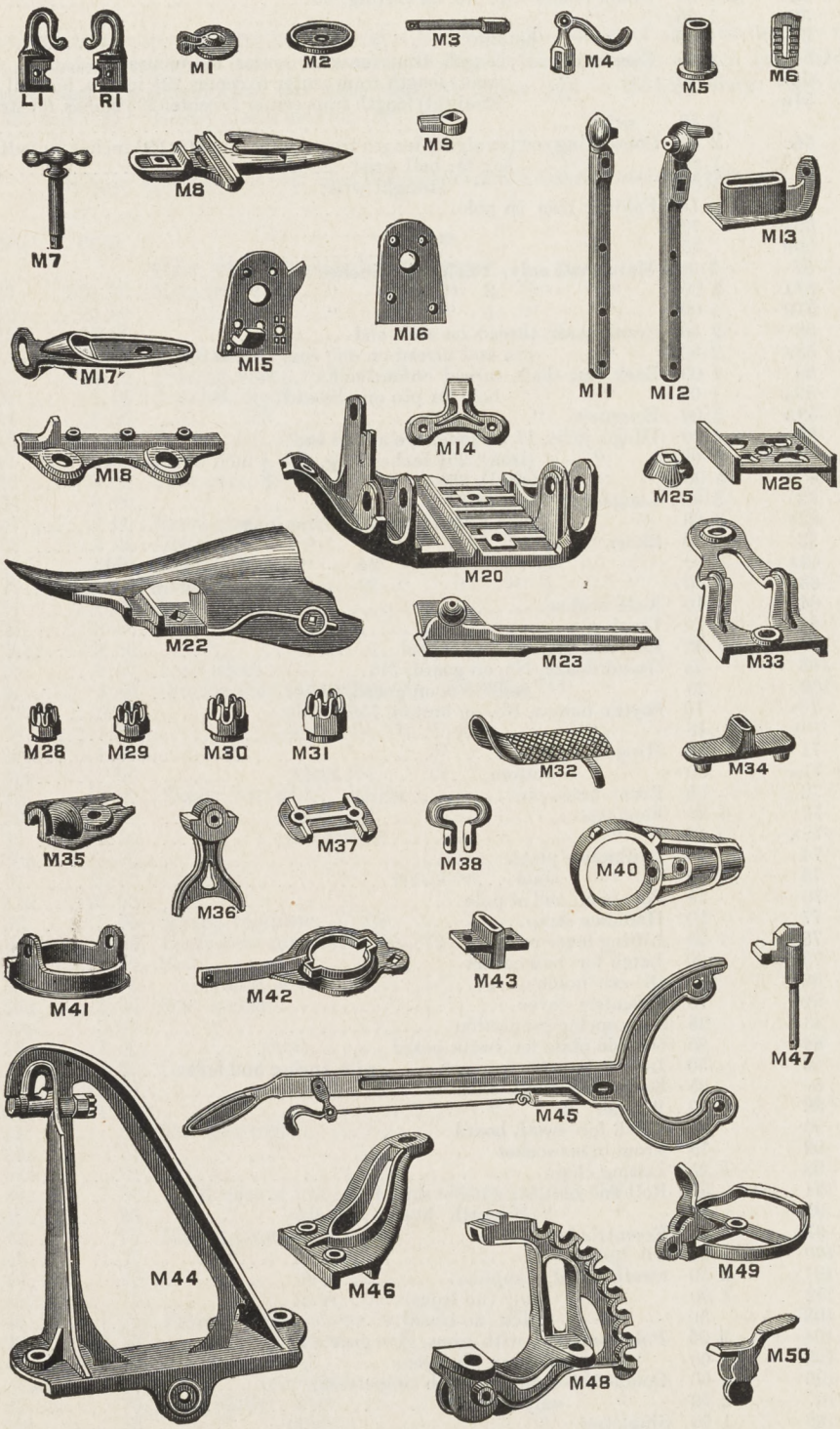
The cipher system may be used when telegraphing orders, thereby reducing expense.

Telegraphic Cipher.	No.	Price.	Name.	Years used.
Babbitt			**For the Benicia Mower**	
Babcock	10	$10 00	Main frame	'84 only
Baber	10A	15 00	"	'85 "
Babich	10B	15 00	"	'86
Babin	11	10 00	Top frame	'84 only
Babkirk	12	10 00	Driving wheel, right or left	'84
Babson	13	1 50	Ratchet, right hand	'84
Baccala	14	1 50	" left "	'84
Bacci	15	75	Spring pawl, right hand	'84
Baccus	17	75	" left "	'84
Bach	20	3 00	Spur gear, back, $1\frac{1}{16}$ bore	'84–5
Bacher	20	3 00	" " $1\frac{1}{2}$ "	'86
Bachelder	21	2 00	Bevel gear	'84
Bacherd	22	3 00	Clutch "	'84–5
Bachert	22A	3 00	Drive "	'86
Bachfelder	23	1 50	Shifter clutch	'84–5
Bachman	24	1 00	Bevel pinion	'84
Bachstein	25	3 50	Inside shoe	'84 only
Back	25A	3 50	"	'85–6
Backer	26	1 50	Lead wheel	'84
Backess	27	2 50	Outside shoe and spring, No. on casting 714	'84–5
Backhaus	27A	2 50	" only	'86
Backman	28	1 50	" spring for No. 27 shoe	'84–5
Backstrom	28A	1 00	" " " 27 "	'86
Backus	28B	50	" wheel for " 27 "	'86
Bacome	29	10 00	Finger bar, 4′ 3″, drilled	'84–5
Bacon	29A	10 00	" 4′ 3″, "	'86
Bacquie	30	16 00	" with guards	'84–5
Badarocco	30A	16 00	" "	'86
Badarous	31	23 00	" " and shoes	'84–5
Baddely	31A	23 00	" " "	'86
Bade	32	2 65	Scythe, complete, 17 Sec	'84
Badell	33	25	Knife head malleable, No. 724	'84
Bader	34	2 50	Seat	'84
Badger	35	2 00	" spring, long	'84 only
Badgley	35A	3 00	Seat spring	'85 "
Badhroh	35B	3 00	"	'86
Badlam	36	1 50	" short	'84 only
Badouin	37	1 50	Gear cover	'84 "
Badsworth	37A	1 50	"	'84 "
Badt	37B	1 50	"	'86
Baechler	38	75	Tool box cover	'84 only
Baecke	38A	75	" "	'85 "
Baehr	38B	75	" "	'86
Baer	39	1 50	Track clearer iron, with slide and spring, No. 742	'84–5
Baerli	40	35	" slde and spring, No. $742\frac{1}{2}$	'84–5
Baerne	42	75	Lifting lever, wood	'84
Baernstein	43	1 25	" socket	'84
Badarous	44	40	" latch	'84
Banagat	45	75	" pawl	'84
Banahan	46	1 25	Balance wheel, screws on shaft	'84 only
Banard	46A	1 25	" keys "	'85–6
Bancroft	47	1 25	Wrist pin (ball)	'84–5
Band	47A	1 25	" (straight)	'86
Bandon	48	75	Gear shifter lever	'84–5
Bandy	49	75	" guide	'84–5
Bane	51	75	Axle clamp	

BENICIA MOWER—Continued

Telegraphic Cipher.	No.	Price.	Name.	Years Used
Banfield	52	$ 1 25	Crank fender top, No. on casting, 00	'84
Bang	52A	1 25	" "	'85–6
Bangeon	53	1 25	" bottom	'84
Bank	54	1 50	Connecting rod, length from center to center 15⅝ inches	'84
Banker	54A	2 00	" (bent) length from center to center 29½ inches, for ball wrist	'85
Banks	54B	2 50	" (straight) length from center to center 29½ inches, for straight wrist	'86
Bander	54C	2 50	Connecting rod (straight), length from center to center 29½ inches, for ball wrist	'86
Bankson	55	1 00	" box for ball wrist	All
Bannan	55A	1 00	" " straight wrist	"
Banner	56	75	Folding iron on pole	'84
Baerwald	56A	75	" "	'85
Baettge	56B	75	" "	'86
Baez	57	5 00	Main shaft only, 2 holes, 13½ inches from end	'84
Bafigo	57A	5 00	" " 2 " 21½ " "	'85
Bagala	57B	5 00	" " 1 " 22⅛ " "	'86
Bagga	58	2 50	Crank shaft, thread on each end	'84
Baggala	58A	2 50	" pin and thread on one end, thread only on other end	'85–6
Baggett	59	1 00	Back gear shaft, thread on one end	'84 only
Baggs	59A	1 00	" " hole for pin on one end	'85 "
Bagler	59B	2 00	Eccentric "	'86
Bagley	60	4 00	Hinge joint, 17 in. long, eye at one end	'84 only
Baglito	60A	5 00	" (iron), 26½ inches long, one ½ inch hole near end	'85 "
	60B	5 00	" (steel), 26½ " " " ⅝ " "	'86
Baglin	62	3 00	Long brace, flat iron, 21 "	'84 only
Bagnall	62A	3 00	" " 1⅛ inch round iron, 34 inches long	'85–6
Bagner	63	3 00	Short " ⅞ " " " 16 " "	'84 only
Bagnoli	63A	3 00	" " ⅞ " " " 24 " " flat on one end	'85 "
Bagot	63B	3 00	" " ⅞ " " " 26 " " thread on one end	'86
Bagriu	64	10	Axle washer	'84
Bahan	65	10	Linch pin	'84
Bahis	67	35	Roll and bolt for lead wheel	'84
Bahn	168	25	Guard finger, No. on guard, 716	'84
Bahnsen	169	25	" "end," No. on guard, 716A	'84
Bahr	70	10	Scythe button, No. on button, 715	'84–5
Baffott	70A	15	"	'86
Bail	71	30	Hinge pin, top	'84
Bailey	71A	30	" bottom	'84
Bailles	72	30	Front brace pin	'84
Bain	73	1 25	Foot rest	'84
Baines	73A	1 25	"	'85–6
Baird	74	25	Doubletree plate	'84
Bajer	75	50	" slide	'84
Bakeman	76	75	Pole iron, end of pole	'84
Baker	77	50	Hammer strap	'84
Baldwin	78	1 25	Lifting lever ratchet	'86
Bale	79	30	Latch for box covers	'86
Balena	80	25	Oil can holder	'86
Balfing	82	75	Eccentric lever	'86
Balfour	83	25	Shoe spring connection	'86
Balfrey	84	25	Outside plate for swath board	'86
Balge	85	50	Inside " " with spring and bolt	'86
Balhaus	87	25	Socket for swath stick	'86
Balinger	88	10	Washer " "	'86
Balk	90	25	Latch for swath board	'86
Balkirk	92	75	Front brace socket	'86
Ball	93	1 25	Lifting chain	'86
Ballantine	94	50	Roll and bolt for outside shoe	'86
Ballard	95	50	" " swath board	'86
Ballen	97	25	Eccentric box	'86
Balleto	100	10	Oil hole cover	'86
Ballhaus	101	2 50	Swath board, complete	'86
Ballser	102	1 00	" only (no irons)	'86
Balmus	103	50	" stick (no irons)	'86
Balny	104	5 00	Pole complete, with irons, give gear	
Baloise	105	4 00	" without irons, give year	
Baloun	106	4 00	Doubletree complete, with singletrees	'84
Balser	107	2 00	" only (ironed)	'84
Balt	108	1 00	Singletree " "	'84
Balz	109	2 00	Neck yoke " "	'84

TIGER MOWER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TIGER MOWER

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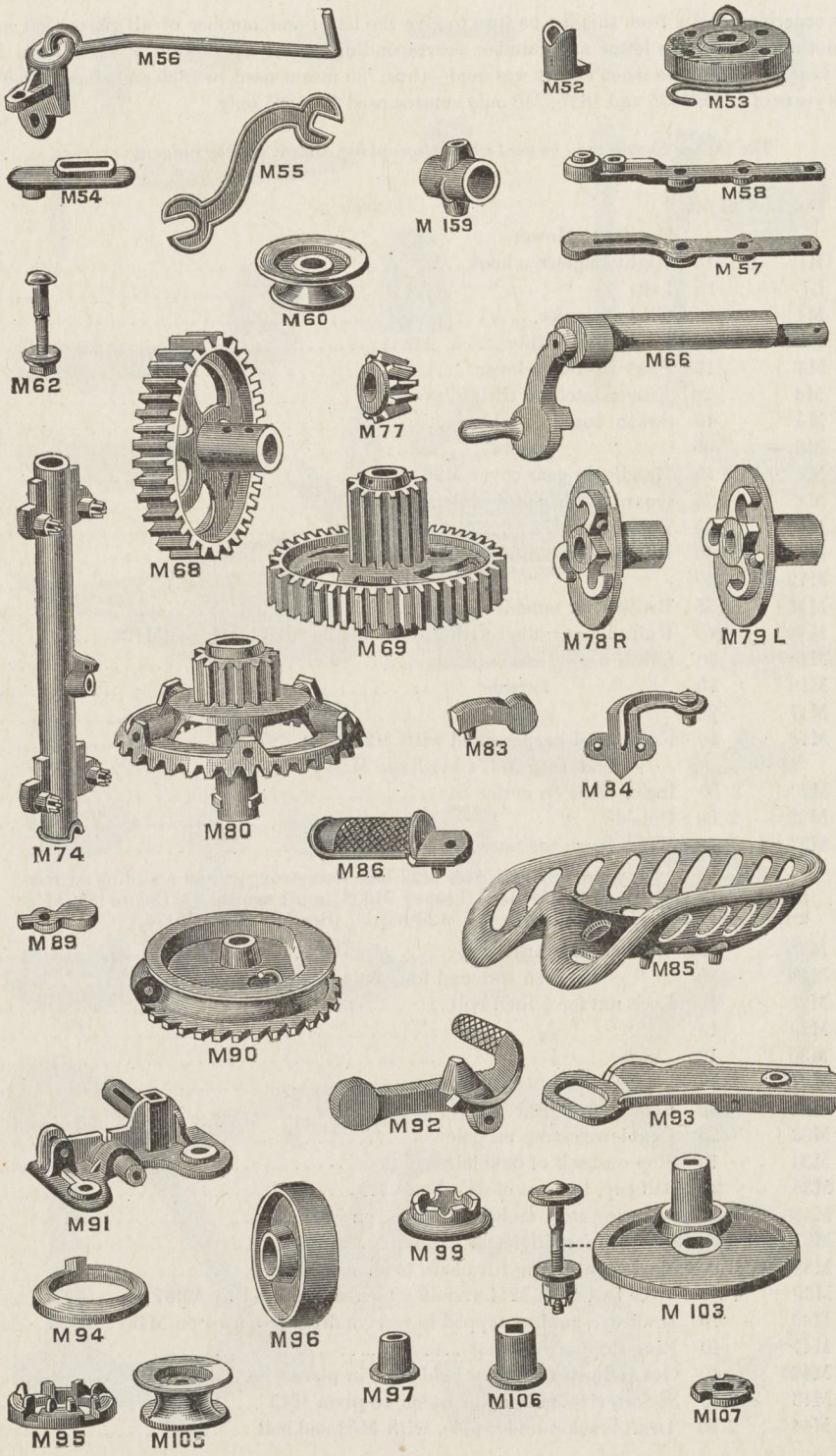
The Cipher System may be used when telegraphing orders, thereby reducing expense.

Telegraphic Cipher.	No.	Price.	Name.	Years Used
Magazine			For Tiger Mower.	
Make	RI	$ 15	Right singletree hook	'85
Maker	LI	15	Left " "	'85
Mannerism	M1	05	Oil hole cover	'85
Mannerist	M2	05	Crank pin washer	'85
Mannerly	M3	15	Pawl in lifting lever	'85
Manse	M4	20	Finger latch on tilting lever	'85
Mansion	M5	15	Swath board thimble	'85
Manage	M6	05	" stop	'85
Mandate	M7	15	Handle in gear cover M98	'85
Manual	M8	25	Guard (with guard plate riveted in)	'85
Manumit	M9	05	Button on M7	'85
Maple	M11	40	Pitman iron knife end, see M172	'85-6
Maraud	M12	40	" " " M173	'85-6
Marauder	M13	25	Bracket for outside slipper	'85
Marble	M14	15	Knife keeper, used with knives having M23 head, see M122	'85
Margin	M15	30	Swath board, inside plate	'85
Marginal	M16	15	" outside "	'85
Marigold	M17	25	" socket	'85
Marine	M18	50	Knife head keeper, used with M23 head, '85-87	'85-7
			And with M174 head, see M508	'90
Mariner	M20	3 50	Inside shoe on cutter bar	'85
Maritime	M22	2 00	Outside " "	'85
Market	M23	40	Knife head, see note	'85

Note—For the year '88 and since, M23 has been stronger, and a sliding surface put on for the lip of knife head keeper M508 to act against. Before '88, M18 knife head keeper was used with the M23 head. (See M508 and M174,)

Marketman	M25	05	Washer on swath stick	'85-6
Marksman	M26	20	" between stub and long pole	'85
Marl	M28	10	Lock nut for $\frac{3}{8}$ inch bolt	'85
Marlin	M29	10	" $\frac{7}{16}$ "	'85
Marmalade	M30	10	" $\frac{1}{2}$ "	'85
Marmoset	M31	10	" $\frac{5}{8}$ "	'85
Maroon	M32	30	Foot rest on gear cover	'85-7
Marrow	M33	25	Doubletree strap on pole	'85
Marrowy	M34	15	Stop on back of doubletree	'85
Marsh	M35	25	Ball cap, in front of fly wheel	'85-6
Marshal	M36	30	Swinging stop, under stub pole, on M61	'87-9
Marshy	M37	10	Stop clip for singletree straps	'85
Mart	M38	10	Clevis connecting lift chain to shoe	'85
Marten	M39	4 50	Yoke bar, with M41 and 46 attached, replaced by M157	'85-6
Martial	M40	75	Draft eye casting, tapped to receive draft rod, used on M157	'85-90
Martinet	M41	40	Ring stop on yoke bar	'85-90
Martingale	M42	40	Gear adjusting arm to hold M80 in place	'85
Martyr	M43	10	Socket, riveted to main frame, to pivot M42	'85
Martyrdom	M44	2 50	Draft bracket under pole, with M52 and bolt	'85-90

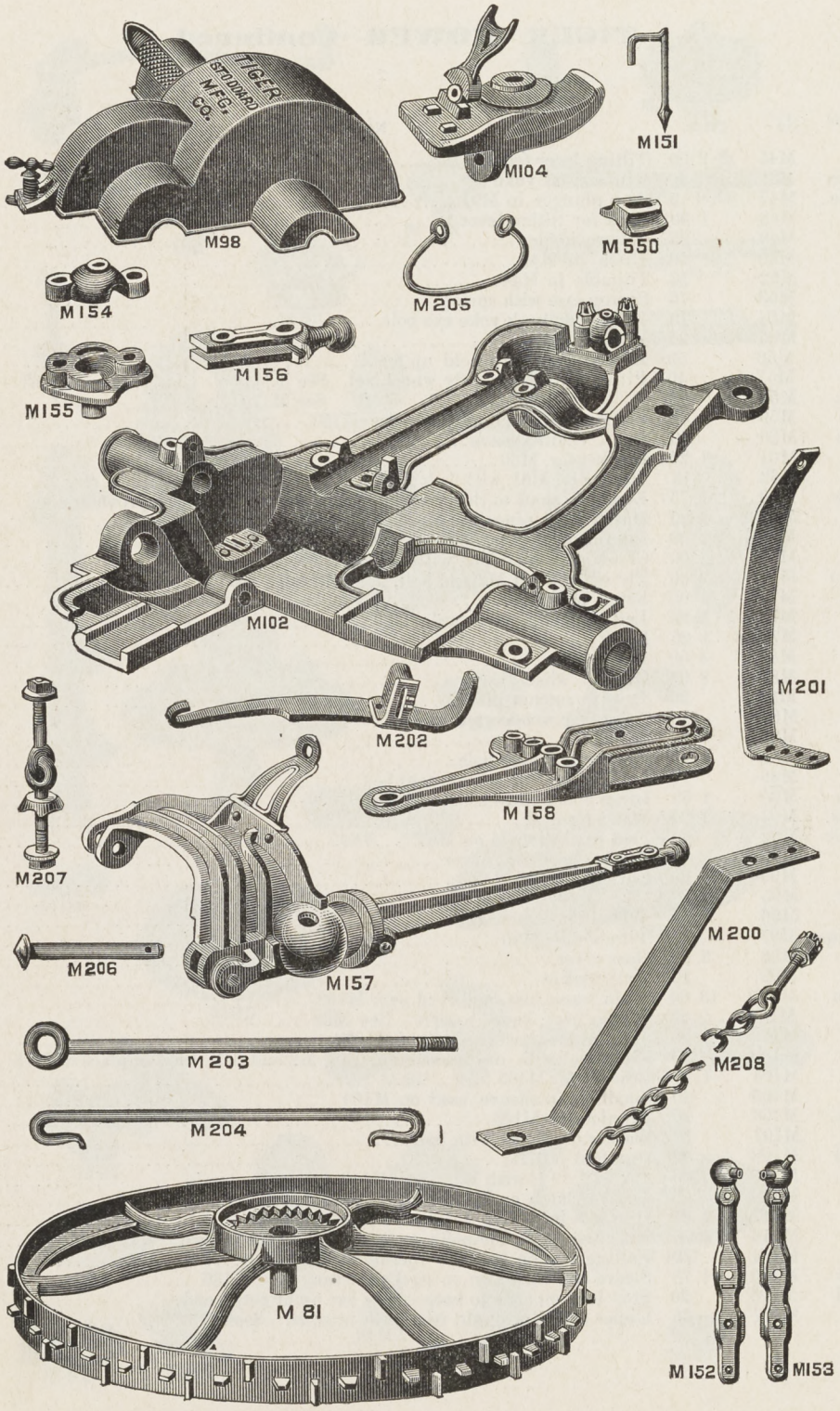
TIGER MOWER—Continued



TIGER MOWER—Continued

Telegraphic Cipher.	No	Price.	Name.	Years Used.
Marvel	M45	$ 2 00	Tilting lever (complete)	'85
Marvelous	M46	40	Tilt arm on yoke bar	'85–90
Masculine	M47	15	Stop plunger in M91	'85
Mask	M48	1 00	Rack for tilting lever	'85–91
Mason	M49	25	Oil can holder	'85
Masonic	M50	10	Latch in M49	'85
Mass	M52	10	Thimble in M44	'85–90
Massacre	M53	75	Spring case with spring	'85
Massive	M54	10	Washer on neck yoke eye bolt	'85
Mast	M55	25	Wrench	'85
Master	M56	50	Eye bracket, with hold up hook	'86 only
Mascot	M57	40	Pitman iron, lower, fly wheel end. See M171	'87–90
Masticate	M58	40	" upper " " See M170	'87-90
Mastiff	M59	60	Pitman box on crank pin. See M159	'86 only
Mastadon	M60	40	Small chain sheave	'85 "
Mat	M61	1 25	Bracket for M60	'85 "
Match	M62	15	Washer on M61, with bolt	'85 "
Matchless	M66	1 75	Eccentric shaft to throw in and out of gear, use M113 improved part	'85–8
Mate	M68	2 25	Master gear, pinned to axle. See M101	'85–90
Maternal	M69	2 50	Intermediate gear, double	'85
Matter	M74	2 00	Crank shaft pipe box, with bolts	'85
Maximum	M75	2 00	Fly wheel with M2 and bolt, use improved part M103	'85–6
Mayday	M77	1 00	Bevel pinion	'85
Mead	M78	1 25	Left ratchet plate on axle	'85
Meadow	M79	1 25	Right " "	'85
Meager	M80	3 00	Bevel gear	'85
Meal	M81	8 00	Ground wheel	'85
Mealy	M83	20	Pawl in ratchet plate	'85
Means	M84	10	Hinge for wooden tool box	'85–7
Meander	M85	2 50	Seat	'85
Meaning	M86	25	Foot rest on stub pole	'85
Meanly	M89	10	Lock button for wooden tool box	'85–7
Meanness	M90	1 50	Large chain sheave	'85
Meantime	M91	1 50	Stand for M90	'85
Meanwhile	M92	60	Foot pawl pivoted on M91	'85
Measles	M93	75	Socket for lifting lever	'85
Measure	M94	20	Chilled ring in M42	'85
Measurer	M95	20	" " " M80	'85
Meat	M96	50	Wheel for outside shoe	'85–6
Mechanism	M97	15	Trunion for M96	'85–6
Medal	M98	3 50	Gear cover	'85
Medalist	M99	10	Axle washer	'85
Medallion	M100	13 00	Main frame, use improved part M102	'85–6
Meddle	M101	2 25	Master gear, keyed to axle. See M68	'91
Medial	M102	13 00	Main frame, used in place of M100	'87
Mediate	M103	2 00	Fly wheel with hardened crank pin, M2 and bolt, used in place of M75	'87
Mediator	M104	1 25	Bracket for M105	'87
Medical	M105	40	Small chain sheave, used on M104	'87
Medically	M106	15	Trunion for M105	'87
Medicate	M107	10	Washer on M106, with bolt	'86–7
Medicinal	M108	50	Iron tool box lid	'88
Medicine	M109	2 25	" " " with lid. See M112	'88 only
Medium	M110	05	Locking latch on M113	'89
Medley	M112	1 25	Iron tool box, with lid, use in place of M109	'89
Meed	M113	1 75	Eccentric shaft, complete, to throw in and out of gear, replaces M66	'89
Meek	M114	30	Falling arm on M113 to operate locking latch	'89
Milkiness	M125	1 75	Sleeve and back arm on steel yoke bar. See M136	'90
Milkmaid	M126	20	Stop loop on shoe to keep cutter bar up at outer end	'90
Milkman	M127	30	Upper end of wrought iron draft bracket. See M139	'90

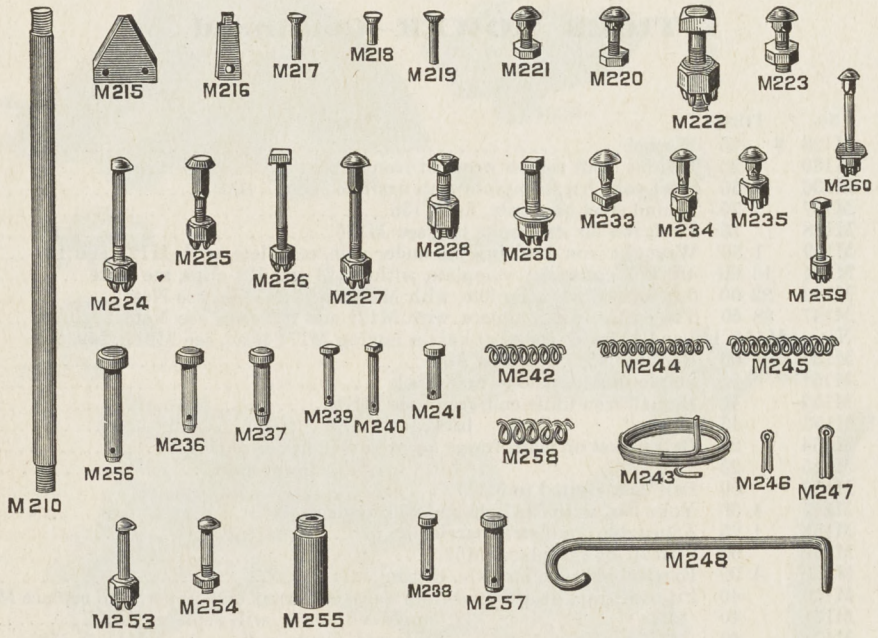
TIGER MOWER—Continued

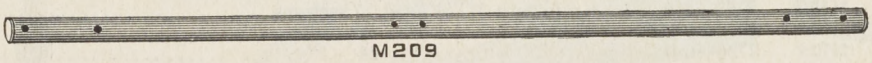


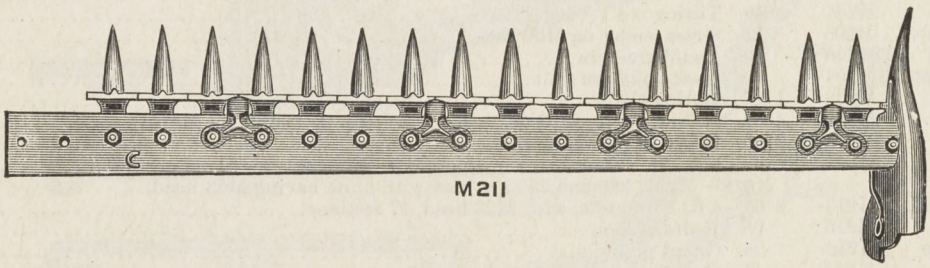
TIGER MOWER—Continued

Telegraphic Cipher.	No.	Price.	Name.	Years Used
Milkey	M128	$ 25	Wrench	'90-1
Miller	M130	20	Eye for draft rod on wrought iron	'90
Mimic	M136	4 50	Steel yoke bar, complete with draft rod	'90
Mimical	M137	1 75	Round steel bar, only, for M136	'90
Mimicry	M138	75	Draft rod for steel yoke bar, see M136	'90
Minerat	M139	1 50	Wrought iron draft bracket under pole, complete, with M127 and 130	'90
Miner	M144	16 00	4ft. 3in. cutter bar, complete, with M121 and 122 clips, see Note	'90
Mingle	M146	22 00	5 ft. cutter bar, complete, with M121 and 122 clips, see Note	'90
Miniature	M147	28 50	6 ft. cutter bar, complete, with M121 and 122 clips, see Note	'90
	Note—M144, 146 and 147 are used with knives having M174 head, see M211, 249, 250.			
Minimum	M150	1 00	Rack for M45, replaces M48	'91
Minion	M151	05	Staple in stub pole to hold hook	'86
Ministry	M152	40	Pitman iron knife end, front, see M172	'87–90
Mink	M153	40	" " back, see M173	'87–90
Minnow	M154	20	Ball socket on main frame for yoke bar, upper part	'87–90
Minor	M155	25	" " " " lower part	'87–90
Minority	M156	50	Ball end, rivited to M157	'87–90
Minstrell	M157	4 50	Yoke bar, with M41, 46 and 156, replaces M39	'87–90
Minstrelsy	M158	1 25	Adjustable doubletree carrier	'87
Mint	M159	60	Pitman Box, replaces M59	'87
Mintage	M160	4 00	Extension sleeve for axle, casting only	'88
Minuet	M170	40	Pitman strap, drop forged from bar steel, crank end, upper, will replace M58	'91
Minute	M171	40	" " crank end, lower, will replace M57	'91
Minx	M172	40	" " knife end, front " " M11 or 152	'91
Miracle	M173	40	" " " rear " " M12 or 153	'91
Mirage	M174	40	Knife head, 13½ inches long, used with M18 knife head keeper. By cutting off 3 inches, it will replace M23, see M508	'91
Mire	M175	2 65	4 ft. 3 in. Knife with M174 head, 17 sections	'91
Mirth	M177	2 75	5 ft. " " " 20 "	'91
Mirthful	M178	3 30	6 ft. " " " 24 "	'91
Mirthless	M179	15	Bolt through M170 and 171	'91
Miry	M200	2 50	Steel seat spring	'85
Misapply	M201	1 00	Steel slipper for inside shoe	'85
Misbehave	M202	75	" with M13 attached for outside shoe	'85
Misbelieve	M203	75	Draft rod, screws into M40	'85–90
Miscall	M204	40	Tilting rod	'85
Mischance	M205	25	Grass fender on M20 shoe	'85–87
Mischief	M206	10	Doubletree pin	'85
Miscreant	M207	40	Neck yoke eye bolt	'85
Misdeed	M208	1 25	Lifting chain	'85
Miser	M209	4 00	Main axle, for M68 gear; has pin holes in center, see M270	'85–90
Miserly	M210	2 00	Crank or fly wheel shaft	'85
Misgive	M211	16 00	4ft. 3 in. Cutter bar, complete, with M14 clips, see Note	'85–90
	Note—M211, 249 and 250 are used with knife having M23 head.			
Misgovern	M213	2 65	4 ft. 3 in. knife, with M23 head, 17 sections	'85–90
Mishap	M215	05	Knife section	'85
Misjudge	M216	05	Guard plate	'85
Mislaid	M217	15	Section rivet, long, per lb	'85
Mislay	M218	15	" short "	'85
Misrule	M219	15	Guard plate rivets "	'85
Missile	M220	50	" bolt, long per doz	'85–90
Mission	M221	50	" " short "	'85
Missive	M222	20	Bolt, with lock nut, to attach inside shoes	'85
Mist	M223	15	" nut to attach outside shoes	'85

TIGER MOWER—Continued



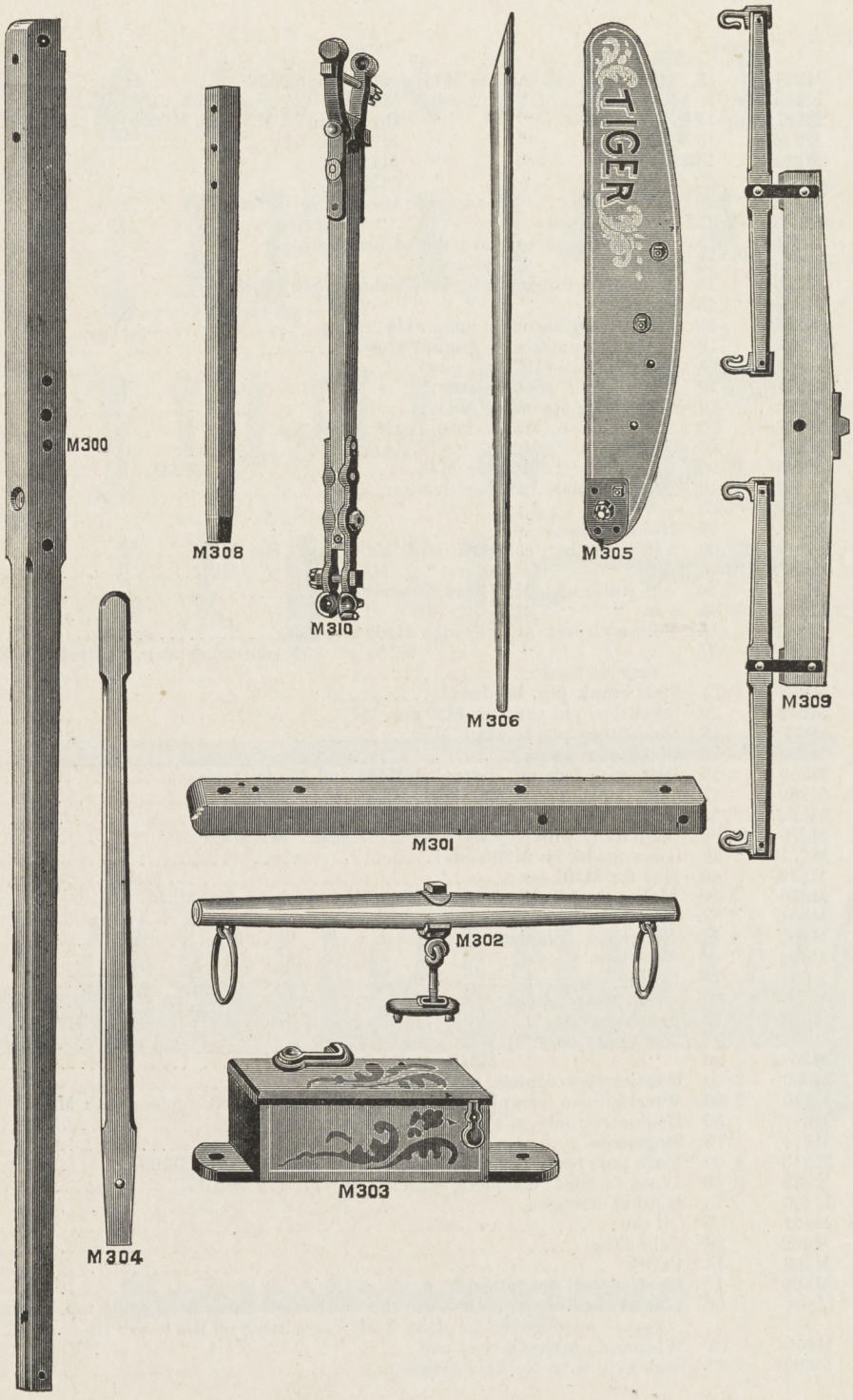




TIGER MOWER—Continued

Telegraphic Cipher.	No.	Price.	Name.	Years Used.
Mistiness	M224	$ 15	Bolt, with lock nut, in M44, goes through M52	'85-90
Mistrust	M225	15	" " " through M11 and 12. See M253	'85
Misusage	M227	15	" " " " Crank pin in M75, use M260	'85-6
Misuse	M228	15	" " " " M74 pipe box	'85
Mite	M230	15	" " " " M13	'85
Miter	M231	20	" " " " M35	'85-6
Mitigate	M232	20	" " " to fasten seat spring to frame	'85
Mitten	M233	15	" with nut " " to spring	'85
Mittimus	M234	15	" with lock nut, at point of inside slipper	'85
Mixture	M235	15	" " " at heel " "	'85
Mizzen	M236	15	Long steel hinge pin for inside shoe. See M256	'85-6
Moan	M237	15	Short " " " " " "	'85
Moat	M238	20	Steel spring through main axle	'85
Mob	M239	10	Linch pin outside of ground wheel	'85
Mobility	M240	10	Hinge pin in M92 foot pawl	'85
Moccasin	M241	10	" " tilting lever	'85
Mock	M242	20	Coil spring operating M83	'85
Mockery	M243	50	" in M53 to keep chain drawn up	'85
Mode	M244	20	" " M45	'85
Modeler	M245	20	" " M91 for M46	'85
Moderate	M246	10	Spring cotter, $\frac{1}{8}$x1, per dozen	'85
Moderator	M247	10	" " $\frac{3}{16}$x1$\frac{1}{4}$, "	'85
Modern	M248	25	Hold up hook	'87
Modernism	M249	22 00	5 ft. cutter bar, complete, with M14 clips. See M211	'85-90
Modernize	M250	28 50	6 ft. " " " M14 " " M211	'85-90
Modest	M251	2 95	5 ft. knife with M23 head, 20 sections	'85-90
Modestly	M252	3 35	6 ft. " " M23 " 24 "	'85-90
Modifier	M253	15	Bolt, with lock nut, through M152 and 153	'87-90
Modify	M254	15	" " " " M152 " 153, and wood part of pitman M253 may be used	'87-90
Modillion	M255	75	Steel crank pin, hardened	'87
Modulate	M256	40	Steel shoe pin through M20 and 157	'87
Modulator	M257	15	Doubletree pin through M58	'87
Mogul	M258	15	Coil spring on M7	'87
Mohair	M259	15	Bolt, with lock nut, fastening M154 and 155 to frame	'87
Moist	M260	15	" " " through M255	'87
Moisture	M262	15	" " " " M57 and 58	'86-90
Mollient	M270	4 00	Main axle, with key way, for M101 gear. See M209	'91
Mollifier	M271	25	Grass fender on M20 shoe	'88
Mollify	M272	40	Key for M101 gear	'91
Molton	M300	3 00	Main pole for all machines using M44 bracket. See M315	'85
Moment	M301	1 50	Stub pole	'85
Momentary	M302	1 50	Neckyoke, complete	'85
Momently	M303	1 00	Tool box, wooden	'85-7
Momentous	M304	75	Lifting lever	'85
Momentum	M305	2 00	Swath board, irons attached	'85
Monarch	M306	25	Swath stick	'85
Monastery	M308	50	Wood part only for M316 pitman	'85-90
Monetary	M308a	50	" " " M310 "	'90
Mongrel	M309	3 00	Doubletree, complete, with singletrees	'85
Monitor	M310	2 50	Wood pitman, complete, with M57, 58, 152 and 153, replace with M316	'87-90
Monkey	M311	1 50	Doubletree only, without singletrees	'85
Monkish	M314	75	Singletree	'85
Monody	M315	3 00	Main pole for all machines using M139 bracket. See M300	'90
Monogram	M316	2 50	Wood pitman, complete, with M170, 171, 172 and 173	'91
Monolith	M400	75	Monkey wrench	'85
Monologue	M401	20	Oil can	'85
Monopoly	M402	20	Cold chisel	'85
Monotone	M403	15	Punch	'85
Monotony	M405	10	Hook to pull out cotters	'85
Monster	M508	50	Knife head keeper, used with the M23 head that has sliding top. This keeper may be used in place of M18 by cutting off the heavy lip	'88-90
Moonlight	M550	05	Washer on neckyoke eye bolt	'87
Morality	M622	1 75	Stub axle only, for axle extension	'88

TIGER MOWER—Continued



DIRECTIONS FOR ORDERING REPAIRS FOR ADRIANCE BUCKEYE MOWING AND REAPING MACHINES

FOLLOW THEM CAREFULLY

First.—Determine the *size* and *style* of your machine by examination of the descriptions of the most distinctive features and the illustrations below; *then turn to the proper list for your machine*, examine *both* the *list* and the *cuts* of parts, and order as directed below.

The "*A*" *and* "*B*" *Mowers* have an *iron frame*, and the "Adriance Buckeye" Gear; a large bevel wheel on the main axle and an internal gear wheel at the rear, and have either the words "*New Model*," or "*Adriance Buckeye*," cast in the cover over the bevel wheel. The size "*A*" or "*B*" is shown by the letter cast into the foot plate. Each has a 30 inch drive wheel. Size "*A*" cuts 4 feet 6 inches, size "*B*" cuts 4 feet or 4 feet 3 inches.

Style "H" Mower has the same type of gear as the A and B, has "*Adriance Buckeye*," cast in the cover over the bevel wheel, but has a 32-inch drive wheel, and the seat is mounted on a shaft. The style H cuts either 4 feet 3 inches, or 4 feet 6 inches, 5 feet or 6 feet.

The *Adriance Encased Gear Mowers* have an *iron frame* and all gearing encased. The length of cut, cast on the foot plate, and *a letter* cast on the gear case, shows the size. Size "*E*" cuts a swath of 4 feet 3 inches or 4 feet 6 inches; size "*F*" cuts a swath of 5 feet, and size "*G*" cuts a swath of 6 feet.

The *Adriance Reaper* is the only machine of our make having but one *drive wheel*.

The *Harvester Machine* has a wooden frame, and a *foot board* which covers the *full width* of the frame. It cuts 4 feet 5 inches in mowing.

The *No. 2 Mower* has a frame and gearing similar to the Harvester, but the *foot board* covers but a *part of the width* of the frame. It cuts 4 feet 1 inch.

The *Adriance Binder* is a rear discharge machine.

Second.—In sending us an order, state the *size* and *style* of your machine, designating it, if a *New Model or Adriance Buckeye* type, as a *size* "*A*," *size* "*B*" or *size* "*H*," or a *No. 1*, a *No. 2*, or a *Harvester;* which ever one it may be as determined by preceding directions, and state the *length of cut;* or if an *Adriance Encased Gear Mower* state whether *size* "*E*," *4 feet 3 inches* or *4 feet 6 inches* cut, *size* "*F*" or *size* "*G*." If an *Adriance Self Rake Reaper*, designate it as such.

(In ordering *Complete Scythes*, it is best with other directions to state the number of *cutting* sections, but the longer scythes with No. 724 malleable head may be cut to proper length and used in place of shorter ones.)

SOME PARTS ARE NOT NOTED IN THESE LISTS

As we cannot show on lists every variation made in parts, as indicated by the letters, dealers and farmers ordering parts *must always give the exact number and letter as it is on the part which is to be replaced.*

The *numbers* on the parts and on the lists designate the *part* of the machine, and the *letters* indicate *variations in the patterns* of the same part (except on some of the older pattern machines). When parts with the same numbers and letters appear on different lists, the parts are identical.

Right or Left Hand, when used in these lists, indicate the side as you sit in the seat of the machine.

When ordering by telegraph, use cipher on Pages 200 and 201.

CODE FOR ORDERING PARTS OF ADRIANCE MOWERS BY TELEGRAPH

No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.
						235	Salad				
1A	Sabre	79	Slash	173	Simony	235A	Salary	362	Seapie	554	Select
1B	Sabian	80	Slater	173A	Simoon	236	Sale	362¼	Seaport	555	Self
9	Singer	81	Slaty	176	Simper	236½	Salic	362½	Sear	556	Sell
9A	Scenery	82	Slay	176A	Simply	237	Salient	363	Search	556A	Seller
9B	Sable	82A	Slayer	189	Simpleton	238	Salify	264	Searcher	556B	Selvage
50A	Sachel	83A	Sledding	192	Simplify	239	Saline	365	Searching	556C	Selver
50B	Sachem	84	Signify	193	Simplying	240	Sallow	366	Seashell	557C	Semblance
50D	Scenic	84A	Sleek	194	Simulet	241	Scrag	366½	Seashore	558A	Senate
50E	Scent	86	Safe	195	Since	241A	Sally	367	Seaside	559A	Senator
51	Singly	87	Sleekness	200	Searoom	242	Scraggy	368	Season	559½	Send
52	Singular	88	Slender	200A	Schemist	244	Salmon	369	Seaward	560	Senile
53A	Siskin	89	Slide	201	Schism	245	Scramble	370	Seaweed	561	Senior
54	Sizar	91	Slight	202	Scholar	246	Scrap	371	Seaworthy	561C	Sennight
55	Sack	91A	Slim	203	Scholarly	247	Scrape	372	Secant	562	Sensation
56	Sackbut	92	Silent	204	Scholastic	248	Saloon	373	Secede	563	Sensational
57A	Sacking	93	Safely	205	School	249	Salt	374	Seclude	564	Sense
57B	Sacred	94	Sag	206	Schooling	250	Saltern	375	Seclusion	564½	Senseless
57C	Sad	95A	Sagely	207	Schoolman	251	Saltish	376	Secrecy	565	Sensible
57D	Sceptre	95B	Sago	208	Schooner	252	Salute	377	Secret	566	Sensibly
57E	Seedy	96A	Said	209	Sciatic	252A	Seethe	378	Secretly	566½	Sensitive
57½	Seek	96B	Sail	209½	Science	253	Salvable	379	Sect	567	Sent
58A	Sadden	97	Sidle	210	Scientific	254	Scraper	380	Sector	567½	Sentence
58B	Saddle	98	Siege	211	Scion	340	Scruple	381	Secure	568	Sentiment
58C	Sceptic	99	Sieve	212	Scioptic	341	Scruting	382	Securely	569	Sentinel
58D	Scorner	99A	Sift	213	Scissel	342	Scud	383	Sedate	569A	Sentry
58½	Seeker	100	Sifter	214	Scission	343	Scuffle	384	Sedately	570	Sentry box
59	Skeptic	100A	Sigh	217	Scissure	344	Skull	385	Sedge	571	Separable
60	Sketch	135B	Sight	218	Scoff	345	Sculler	419C	Sew	572	Separator
61	Sadly	150	Sightless	219	Scoffer	346	Scullery	421C	Sewer	573	Separate
62	Sketchy	151	Sightly	222	Scold	347	Scullion	449A	Sine	573B	Sepoy
63	Skid	151A	Signal	223	Scolding	348	Sculptor	453C	Sextant	574	Sept
64	Skiff	152	Signalize	224	Sconce	349	Sculpture	453D	Sexton	575A	Sceptic
65	Skill	153A	Signally	225	Scoop	349½	Scum	467A	Shab	576	Sequel
66	Skilled	153½	Signee	226	Scope	350	Scupper	489A	Sinecure	576½	Sequence
67	Skillful	154	Signet	227	Scorch	351	Scuttle	518B	Sinew	577	Sequent
67A	Skim	155	Silence	228	Score	352	Sea	518C	Sinewy	578	Sequin
68	Skimmer	156	Silently	228A	Scorn	353	Seabord	521A	Shabby	579	Seraph
68A	Skip	157	Silk	229	Scornful	354	Seabreeze	524	Shack	579½	Seraphim
69	Sadness	158	Silex	230	Scorpion	355	Seacoast	533	Shackle	580	Serenade
70	Skipper	159A	Saint	231	Scotch	356	Seafarer	546	Shad	580½	Serene
7 1	Skittish	162	Silken	231A	Scott	357	Seafight	547	Shaddock	581	Serenely
72	Skiver	163A	Silky	233	Scour	357A	Seahorse	549	Segment	581A	Serenity
72A	Sky	164	Silliness	233A	Scourge	358	Seal	550	Seine	582	Serf
74	Slab	166	Silly	233B	Scout	358A	Seam	550A	Seizable	582A	Serge
75	Slack	167o	Silvery	233C	Saintly	359	Seaman	551	Seize	583	Serial
76A	Slag	167A	Similar	234	Scow	360	Seamless	551A	Seizing	584	Series
77	Slam	168	Simile	234A	Scowl	360A	Seamark	552	Seizure	585	Serious
78	Slap	170	Simmer	234B	Sake	361	Seamew	553	Seldom	586	Seriously

CODE FOR ORDERING PARTS OF ADRIANCE MOWERS BY TELEGRAPH—Continued

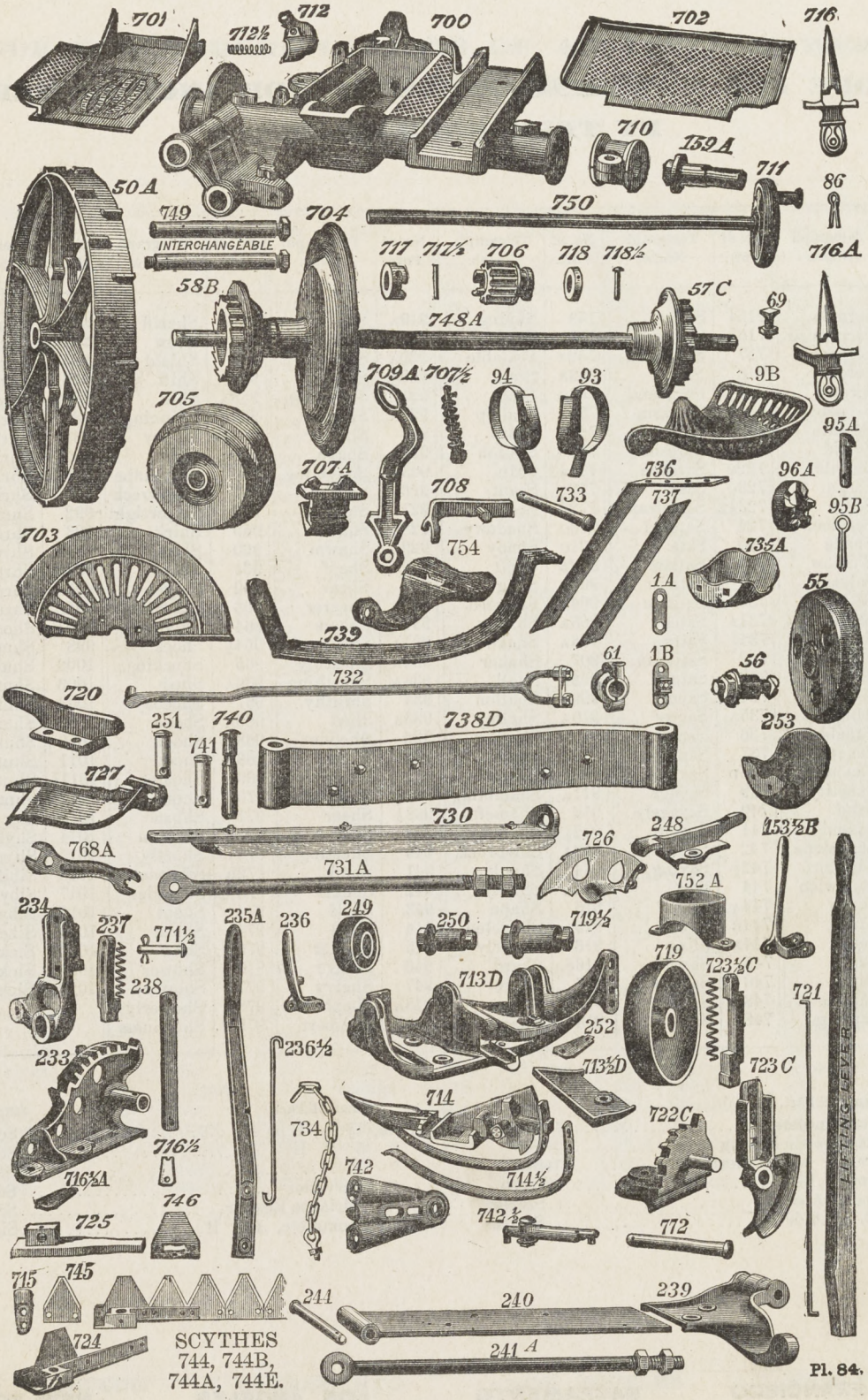
No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No of Part.	Telegraph Name.	No. of Part.	Telegraph Name.
587	Sermon	716½	Sapor	749	Saying	919A	Shark	949A	Sheriff	980A	Shown
588	Sermonize	716½A	Sapper	750	Scaffold	919½A	Sharper	950	Shew	981	Shred
589	Seroone	717	Sapphich	752A	Scalable	920A	Sharpy	951	Shield	985	Shrewd
590	Serosity	718	Sappy	753A	Scald	920½	Sharply	952	Shift	986	Shrewdly
591	Serous	719	Saraband	753B	Scale	921	Sharpress	953A	Shin	986½	Shrewdness
592	Serpent	719½	Sarcasm	754	Scallop	922A	Sharpist	954B	Shinning	987	Shriek
593	Serrate	720	Sarcastic	768A	Scalp	923	Shatter	954½B	Shiney	988	Shrill
594	Serrid	721	Sarcenet	771	Session	924A	Shave	955A	Ship	989	Shrilly
595	Servile	722C	Sardine	771½	Scan	925A	Shaveling	956	Shipshape	990	Shrine
596	Scrum	723C	Sash	772	Scant	926	Shaver	957	Shipwreck	991	Shrink
597	Serve	723½E	Sassafras	772A	Scribe	927	Shaving	958	Shipwright	992	Shrinkage
598	Service	724	Satchel	900C	Shadowy	928	Shawl	959	Shirk	993	Shrowd
612	Shade	725	Sate	901C	Shady	929	Shawm	960	Shirt	994A	Shrub
640	Shadow	726	Satiate	902B	Shaft	929A	Sheaf	961	Shive	994C	Shrubby
700B	Salvage	727	Satirist	903A	Shag	930	Shear	962	Shiver	995A	Shrug
701	Salvation	730	Satirize	904A	Shagged	930A	Shearer	963	Shivering	995C	Shrunk
702	Salve	731A	Satisfy	905A	Shaggy	931	Shears	964	Shivery	996A	Shock
703	Salver	731½	Satrap	906A	Shake	931A	Sheath	964½	Shock	998	Shudder
704	Sambo	732	Saturate	907	Shaker	932A	Sheathly	965	Shocking	1002	Shuffle
705	Same	733	Saturn	908A	Shall	933A	Sheathing	966A	Shod	1003	Shuffler
706	Samp	734	Sauce	909A	Shallon	934	Sheathy	967	Shoeboy	1008	Shuffling
707A	Sample	735A	Saucer	910A	Shallop	935A	Shed	968A	Shone	1009	Shun
707½	Sanable	736	Saucy	910B	Shallow	936	Shedder	968B	Shook	1010	Shunt
708	Sanative	737	Saunter	910C	Sham	936½	Sheen	968C	Shoot	1011	Shut
709A	Sanction	738D	Savable	910½	Shamble	937	Sheeny	969	Shooter	1011½	Shutter
710	Sanctity	739	Savage	911A	Shambling	937½	Sheepish	970	Shore	1012	Shuttle
711	Sand	740	Savagely	912	Shameful	938⅓	Sheer	971	Shorn	1013	Shy
712	Sandal	741	Savant	912½	Shammy	939	Sheet	972A	Shorten	1014	Shyly
712½	Sandstone	742	Save	913A	Shamrock	940	Sheeting	972½	Shortly	1015	Shyness
713	Sapphire	742½	Saving	914	Shank	941	Sheik	972B	Shortness	1016	Sibilant
713D	Sandwich	744	Saw	914A	Shanty	942	Shekel	973A	Shoulder	1017	Sibyl
713E	Sandy	744A	Sawn	915	Shape	943	Shelf	974	Shout	1018A	Sibylline
713½D	Sane	744B	Sawed	915½	Shapeless	944	Shell	974½	Shove	1019	Size
714	Sang	744E	Sling	916	Shapely	945	Shelter	975	Show	1020	Sick
714½	Sap	745	Sawpit	916½	Shard	946	Shelve	976	Shower	1021	Sicken
715	Sapid	746	Sawyer	917	Share	947	Shelvy	977	Showery	1022	Sickish
716	Sapless	748A	Saxon	917½	Sharer	948A	Shepherd	978	Showerly		
716A	Sapling	748B	Say	918	Sharp	949	Sherbert	979	Showiness		

Name of Part,	Cipher.
Eveners, complete	Scapular
Track clearer stick, long	Set
" " short	Scarf
Neck yoke	Scath
Tilter pole, A or B	Scarlet
Pole, O. S., A or B	Scarce

Name of Part.	Cipher.
Pole, 4½ in., E or F	Scarp
" 5 " E " F	Scrip
" G	Scroll
" Harvester	Scene
" Adriance Reaper	Scatter
Tilter, complete, A or B	Side

NEW MODEL OR ADRIANCE BUCKEYE MOWER

SIZES "A" AND "B"



Pl. 84.

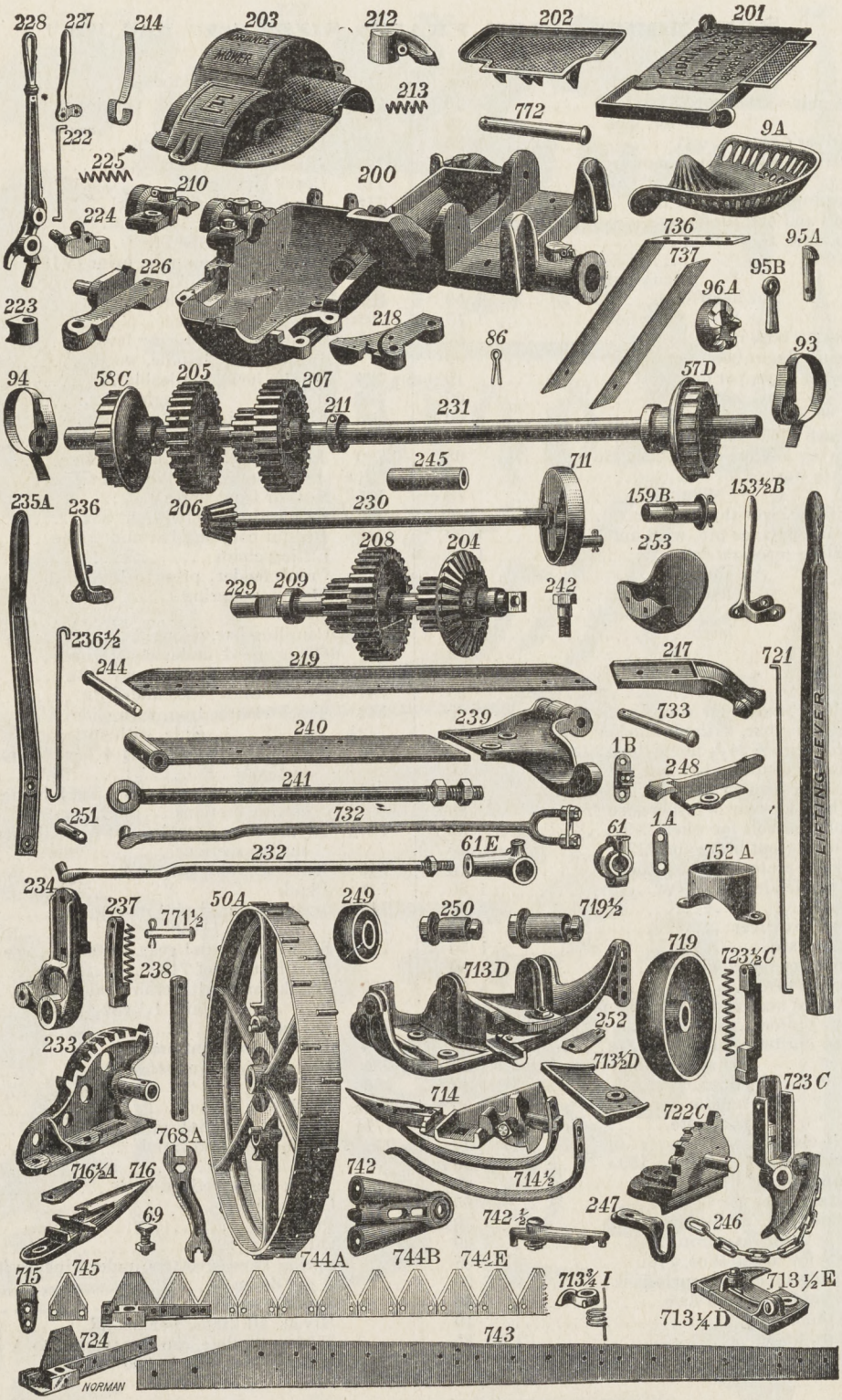
ADRIANCE BUCKEYE MOWERS

NEW MODEL, IRON FRAME—SIZES "A" and "B"

No.	Name.	Price.
1A	Double washer for 732	$0 10
1B	" " with nut lock	20
9B	Driver's seat	2 25
50A	Driving wheel for B mower	8 00
50B	" " " A "	8 00
55	Leading wheel, right hand	1 50
56	Boll and bolt for 55	50
57A	Ratchet, right hand	1 50
57B	" "	1 50
57C	" " long hub	1 75
58A	" left hand	1 50
58B	" " long hub	1 75
61	Pitman box, brass	60
69	Guard finger bolt, per dozen	50
86	Spring keys, per dozen	10
93	" pawl, right hand	60
94	" " left hand	60
95A	Linch pin	10
95B	Spring key for axle, linch pin	05
96A	Axle washer for 95A	10
96B	" " 95B	10
153½B	Lifting lever thumb latch	35
159A	Crank balance pin, with nut	1 00
233C	Tilling lever ratchet	1 75
234B	" socket	1 00
235	" handle, steel	75
235A	" " mallable	75
236	" latch	20
236½	" " rod	15
237	" spring bolt	35
238	" link	35
239	Hinge bracket for coupling bar	2 00
240	Coupling bar, without bracket	2 50
241A	Front brace 24 5/16 inches long	2 50
244	Pin for coupling bar and 713D	40
248	Folding iron on pole, for tilting bar	60
249	Wheel for rear of inside shoe	60
250	Roll and bolt for wheel 249	35
251	Pin for front brace and 713D	40
252	Ledger plate for inside shoe	10
253	Crank fender	1 00
700B	Frame	13 00
701	Tool box cover	1 25
702	Foot plate	1 00
703	Cover for bevel wheel	1 50
704	Bevel wheel	4 50
705	Internal gear and bevel pinion	3 50
706	Spur pinion	1 00
707A	Gear shifter casting	40
707½	" rod and spring	20
708	" slide	40
709A	" handle	1 00
	" complete	2 00
710	Axle clamp	40
711	Crank balance, with pin 159A	2 50
712	Button for tool box cover	20
712½	Spiral spring for 712	05
713D	Inside shoe, malleable	3 50
713E	" cast iron	3 00
713½D	Plate for inside shoe, 713D	35
714	Outside shoe, with spring	2 50
714½	Spring for outside shoe	50
715	Scythe button	10
716	Guard finger	25
716A	End guard finger, prior to 1876	25
716½	Guard finger plates, per dozen	$0 60
716½A	" " "	60
717	Clutch ring	15
717½	Pin for clutch ring	05
718	Crank shaft ring	15
718½	Pin for crank shaft ring	05
719	Leading wheel, left hand	1 25
719½	Roll and bolt for 719	50
720	Folding iron on pole, prior to 1887	60
721	Latch rod on lifting lever	20
722C	Lifting lever ratchet	80
723C	" socket	90
723½C	Spring bolt for lifting lever	35
	Lifting lever handle, wood	75
724	Scythe head, malleable	40
725	" wrought	60
726	Shield for internal gear, upper	65
727	" " lower	65
730	Long brace, coupling to frame	2 00
731A	Front brace, 24⅞ inches long	2 50
731½	Nut for front brace	15
732	Connecting rod, without box	2 50
733	Pin for coupling bar and frame	40
734	Lifting chain	70
735A	Crank fender, prior to 1887	1 00
736	Main seat spring	2 00
737	Back "	1 00
738D	Coupling bar, wrought	4 00
739	Grass guard, under bevel wheel	1 25
740	Pin for coupling bar and 713E	40
741	" front brace and 713E	25
742	Track clearer iron, with slide	1 50
742½	" slide, with spring	35
744	Scythe complete, size B 4 feet, 16 cutting sections	2 15
744B	Scythe complete, size B 4 feet 3 inches, 17 cutting sections	2 25
744A	Scythe complete, size A 4 feet 6 inches, 18 cutting sections	2 35
745	Knife sections, per dozen	75
746	Blank " "	75
748A	Axle, plain, 1½x46½ inches	4 00
748B	" 1½x48 "	4 00
749	Stud for internal gear, reversible, see cut, both styles of 749	1 25
750	Crank shaft, with crank balance	4 50
	" plain, 1 1/16x32 3/16 inches	2 00
752A	Oil can holder	30
754	Bracket for front brace	75
755	Brass bushing in frame, front	1 25
756	" " rear	1 25
768A	Malleable wrench	25
771½	Tilting lever, link pin	15
772	Pin for pole and frame	35
	Pole	3 50
	Track clearer sticks, each	30
	Cold chisel	25
	Punch	20
	Oil can	20
	Spring keys or cotters, under 2 inches long per dozen	10
	Screw wrench	75
	Rivets, all kinds, per pound	15
	Tilter complete, can be attached to A and B mowers, over 50,000	5 00

ADRIANCE ENCASED GEAR MOWER

SIZES "E" AND "F"



ADRIANCE ENCASED GEAR MOWERS

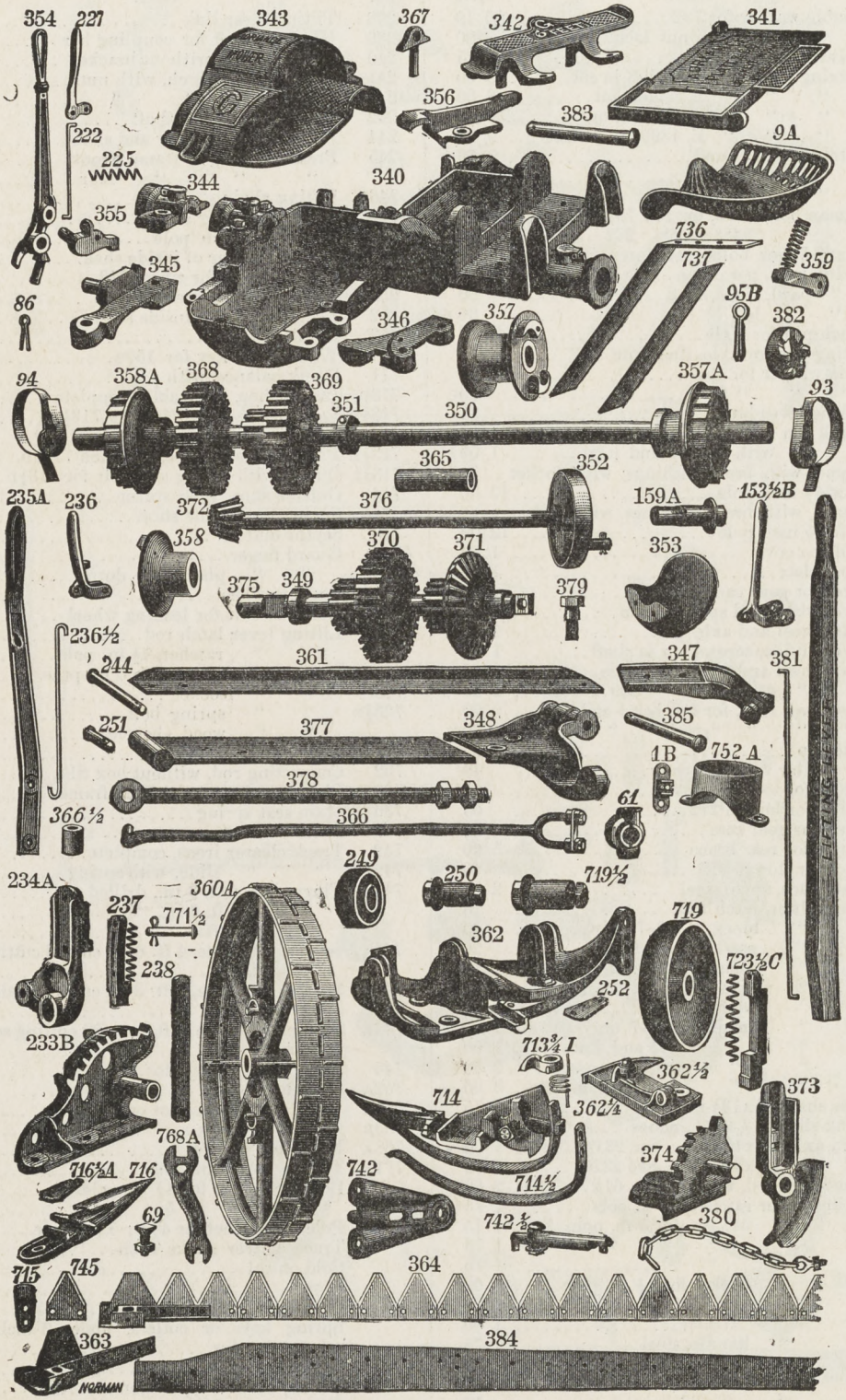
IRON FRAME—SIZES "E" AND "F"

No.	Name.	Price
1A	Double washer for 732	$0 10
1B	" " with nut lock	20
9A	Driver's seat	2 25
50A	Driving wheel for E, 4 ft. 3 in cut	8 00
50B	" " " E, wider cut	8 00
50D	" " " F, 5 ft. cut only	9 00
50E	" " " E, 1890, and later.	9 00
57D	Ratchet, right hand	1 50
58C	" left hand	1 50
58D	" " for size F only	1 50
61	Pitman box, brass, for rod 732	60
61E	" " " 232	80
69	Guard finger bolts, per dozen	50
86	Spring keys, per dozen	10
93	" pawl, right hand	60
94	" " left "	60
95A	Linch pin for axle	10
95B	Spring key for axle, linch pin	5
96A	Axle washer for 95A	10
96B	" " " 95B	10
153½B	Lifting lever latch	35
159A	Crank pin 1⅛x3⅞, with nut	1 00
159B	" with washer and key	1 00
200	Frame, with brass bushings, with socket for 4½ inch pole	13 00
200A	Frame, with brass bushings, with socket for 5 inch pole	13 00
201	Tool box cover	1 50
202	Foot plate	1 00
203	Cover for gear case	2 00
204	Bevel wheel and spur pinion	2 25
205	Spur wheel and axle	2 00
206	Bevel pinion, screws on to shaft	1 00
207	Spur wheel and pinion, on axle	2 25
208	" " " " 229	2 25
209	Cross shaft ring, for left hand end	20
209½	" " " " right "	20
210	Axle cap	75
211	" collar with set screw	40
212	Button for tool box cover	20
213	Spring for button 212	05
214	Latch for gear case	30
217	Hinge for rear brace	60
218	Cap over hinge 217	40
219	Rear brace, angle steel	2 00
222	Gear shifter latch rod	15
223	" " block, 1886–7 only	20
224	" " pawl	20
225	" " spring	10
226	" " axle and cap	75
227	" " latch	30
228	" " handle, 1886–7 only	1 00
228A	" " " 1887 and since	1 00
	" " " complete	2 00
	" " " and axle complete	3 00
229	Cross shaft, 1¼x13½ inches	1 75
230	Crank shaft, 1 1/16x24½ inches	2 00
231	Main axle, 1½x46½ in. See 231A	4 00
231A	" " 1½x48 in. See 231	4 50
232	Connecting rod, without box 61E	2 00
233	Tilting lever ratchet, 4½ in pole	1 75
233A	" " " for 5 in. pole	1 75
233B	" " " " 5 "	1 75
233C	" " "	1 75
234	" " socket for 4½ in. pole	1 00
234A	" " " " 5 "	1 00
234B	" " "	1 00
235	" " handle, steel	75
235A	" " " malleable	75
236	" " latch	20
236½	" " " rod	15
237	" " spring bolt	35

No.	Name.	Price.
238	Tilting lever link	$0 35
239	Hinge bracket for coupling bar	2 00
240	Coupling bar, without bracket	2 50
241	Front brace, ¾ inch, with nuts	2 50
241A	" " ⅞ " "	2 50
242	Stud bolt for cross shaft	30
244	Pin for coupling bar and shoe	40
245	Brass bushing in frame, front	1 25
	" " " rear	1 25
246	Lifting chain	50
247	Hook for lifting chain	20
248	Folding iron on pole	60
249	Wheel for rear of inside shoe	60
250	Roll and bolt for wheel 249	35
251	Pin for front brace and shoe	40
252	Ledger plate for inside shoe	10
253	Crank fender	1 00
254	Washer and key for 159B	10
711	Crank balance, with pin	2 50
713D	Inside shoe, malleable, complete	3 50
713½D	Latch on inside shoe plate 713½E	30
713½D	Plate for inside shoe	35
713½E	Plate on inside shoe, for latch 713½D	60
713¾I	Button with spring and bolt for 713½D	25
714	Outside shoe, with spring	2 50
714½	Spring for outside shoe	50
715	Scythe button	10
716	Guard finger	25
716½A	" " plates, per dozen	60
719	Leading wheel	1 25
719½	Roll and bolt for leading wheel	50
721	Lifting lever latch rod	20
722C	" " ratchet, 4½ in. pole	80
722D	" " " on 5 in. pole	90
723C	" " socket	1 00
723½C	" " spring bolt	35
	" " wood, beveled	75
724	Scythe head	40
732	Connecting rod, without box 61	2 50
733	Pin for hinge bracket and frame	40
736	Main seat spring	2 00
737	Back " "	1 00
742	Track clearer irons, complete	1 50
742½	" " slide, with spring	35
743	Finger bar, 4 ft. 3 in., drilled	8 00
	" " 4 ft. 6 in., "	8 50
	" " 5 ft. "	9 00
744A	Scythe, complete, 4 ft. 6 in. cut, 18 cutting sections	2 35
744B	Scythe, complete, 4 ft. 3 in. cut, 17 cutting sections	2 25
744E	Scythe, complete, 5 ft. cut., 20 cutting sections	2 50
745	Knife sections, per doz	75
752A	Oil can holder	30
753A	Pole plate, upper, not on cut	20
753B	" " lower, " "	20
768A	Malleable wrench	25
771½	Tilting lever link pin	15
772	Pole hinge pin for 4½ in. pole	35
772A	" " " " 5 "	35
	Pole, state whether 4½ or 5 in. wide	3 50
	Track clearer sticks, each	25
	Cold chisel	25
	Punch	20
	Oil can	20
	Spring keys or cotters, under 2 inches long, per doz	10
	Screw wrench	75
	Rivets, all kinds, per pound	15
	Evener and whiffletrees	3 00
	Neck yoke	1 75

ADRIANCE ENCASED GEAR MOWER

SIZE "G"



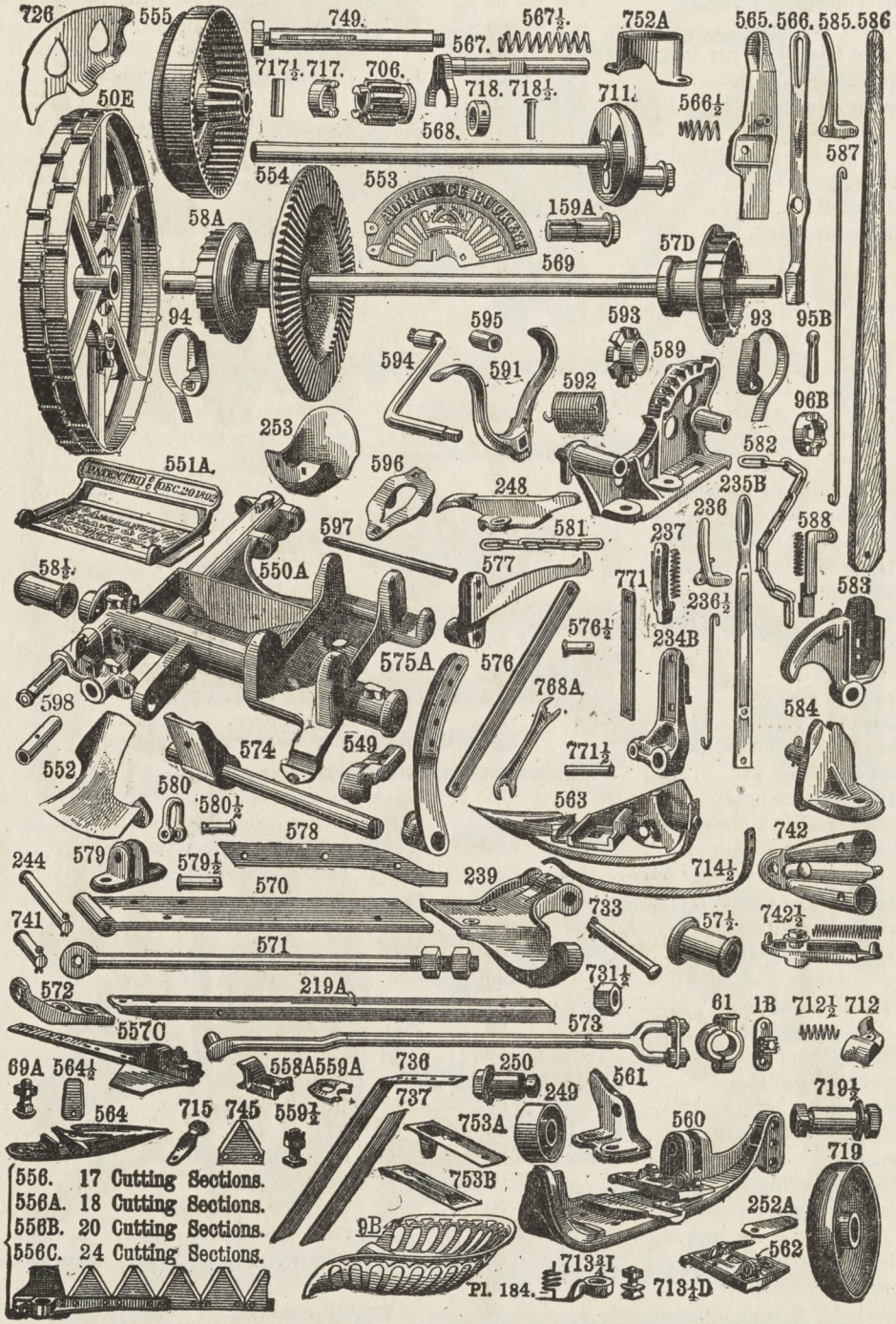
ADRIANCE ENCASED GEAR MOWER

IRON FRAME—SIZE "G"

No.	Name.	Price.
1B	Double washer with nut lock	$0 20
9A	Driver's seat	2 25
61	Pitman box, brass	60
69	Guard finger bolt, per doz	50
86	Spring keys, per doz	10
93	Spring pawl, right hand for 357A	60
94	" " left " 358A	60
95B	" key for axle (linch pin)	5
152½B	Lifting lever latch	35
159A	Crank pin	1 00
222	Gear shifter latch rod	20
225	" spring	10
227	" latch	30
233B	Tilting lever ratchet and axle	1 75
234A	" socket	1 00
235A	" handle	60
236	" latch	20
236½	" latch rod	15
237	" spring bolt	35
238	" link	35
244	Pin for coupling bar and shoe	40
249	Wheel for rear of inside shoe	75
250	Roll and bolt for wheel 249	35
251	Pin for front brace and shoe	40
252	Ledger plate for inside shoe	10
340	Frame with brass bushings	15 00
341	Tool box cover	1 50
342	Foot piece	75
343	Cover for gear case	3 00
344	Axle cap	75
345	Gear shifter axle and cap	75
346	Cap over hinge 347	40
347	Hinge for rear brace	75
348	" bracket for coupling bar	2 50
349	Cross shaft ring with pin	20
349½	" " set screw	25
350	Main shaft or axle	6 00
351	Axle collar with set screw	50
352	Crank balance with pin	3 00
353	" fender	1 25
354	Gear shifter handle	1 00
355	" pawl	20
356	Folding iron on pole	1 50
357	Pawl hub, right hand	2 25
357A	Ratchet, "	2 00
358	Pawl hub, left hand	2 25
358A	Ratchet, "	2 00
359	Pawl and spring for 357 and 358	20
360	Driving wheel, inclosed ratchet	11 00
360A	" " for open ratchet	11 00
361	Rear brace	2 00
362	Inside shoe complete	4 00
362¼	Latch for plate on inside shoe	50
362½	Plate for inside shoe	50
363	Scythe head	$0 50
364	" complete, 24 cutting sections	2 90
365	Brass bushing in frame, front	1 50
	" " " rear	1 50
366	Connecting rod, without box	3 50
366½	" ferrule	25
367	Button for tool box cover	15
368	Spur wheel on axle	3 00
369	" and pinion, on axle	3 50
370	" " " cross shaft	3 50
371	Bevel wheel and spur pinion	3 50
372	Bevel pinion	1 25
373	Lifting lever socket	1 50
374	" ratchet and axle	1 25
375	Cross shaft	2 00
376	Crank "	2 25
377	Coupling bar, without bracket	3 25
378	Front brace with nuts	2 50
379	Bolt for cross shaft	35
380	Lifting chain	75
381	" lever latch rod	30
382	Axle washer	10
383	Pole hinge pin	40
384	Finger bar, drilled	10 00
385	Pin for hinge bracket and frame	40
713¾I	Button with spring and bolt for 362¼	25
714	Outside shoe, with spring	2 50
714½	Spring for outside shoe	50
715	Syche button	10
716	Guard finger	25
716½A	" plates, per doz	60
719	Leading wheel	1 25
719½	Roll and bolt for leading wheel	50
723½C	Lifting lever spring bolt	35
	" " (wood)	75
736	Main seat spring	2 00
737	Back "	1 00
742	Track clearer irons, complete	1 50
742½	" slide, with spring	35
745	Knife sections, per doz	75
752A	Oil can holder	30
753A	Pole plate, upper (not on cut)	20
753B	" lower, "	20
768A	Malleable wrench	25
771½	Tilting lever link pin	20
	Pole	4 00
	Evener and whiffletrees	3 00
	Neck yoke	1 75
	Track cleaner sticks, each	25
	Cold chisel	25
	Punch	20
	Screw wrench	75
	Oil can	20

ADRIANCE BUCKEYE MOWER

STYLE "H"



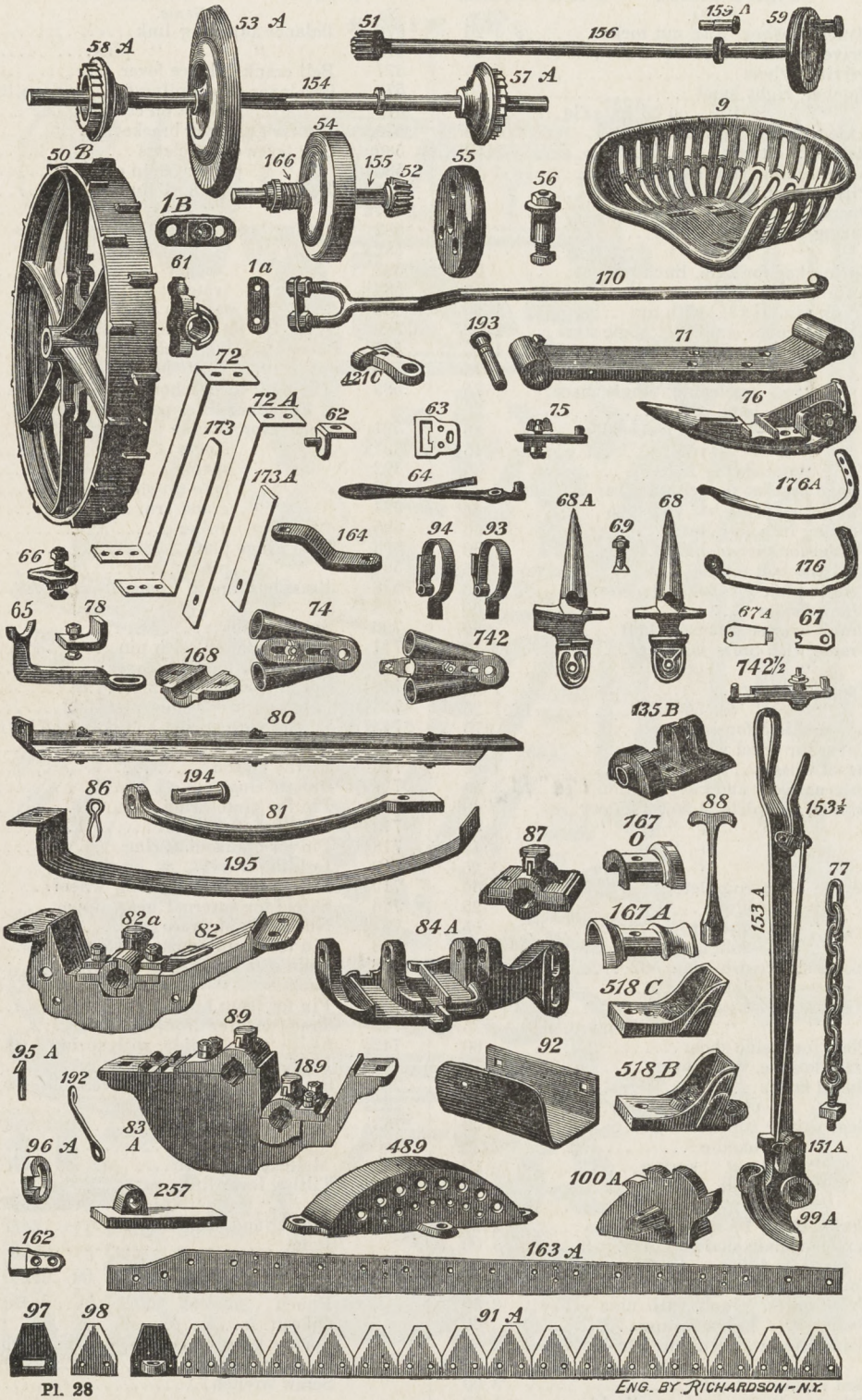
ADRIANCE BUCKEYE MOWER

IRON FRAME—STYLE "H"

4 feet 3 inches, 4 feet 6 inches, 5 feet or 6 feet cut.

No.	Name.	Price.
1B	Double washer, with nut lock	$ 0 20
9B	Driver's seat	2 25
50E	Driving wheel	9 00
57D	Ratchet, right hand	1 50
57E	" " on 55 in. axle	1 50
57½	Axle thimble, right hand	50
58A	Ratchet, left hand	1 50
58½	Axle thimble, left hand	50
61	Pitman box, brass	60
69A	Guard finger bolts, per dozen	50
93	Spring pawl, right hand	60
94	" left "	60
95B	Spring key for axle, linch pin	05
96B	Axle washer for 95B	10
159A	Crank pin, 1⅛x3⅞, with nut	1 00
219A	Rear brace for coupling, angle steel	2 00
234B	Tilting lever socket	1 00
235B	" handle, only	75
235C	" malleable, single piece	75
236	" latch	30
236A	" " for lever 235C	30
236½	" " rod	45
237	" spring bolt	35
239	Hinge bracket for coupling bar	2 00
244	Pin for coupling bar and shoe	40
248	Folding iron on pole	60
249	Wheel for rear of inside shoe	60
250	Roll and bolt for 249	35
252A	Ledger plate for inside shoe	10
253	Crank fender	1 00
549	Crank over seat socket shaft	50
550	Frame with brass bushings	12 50
550A	" "	12 50
551	Tool box cover	1 25
551A	" " for 550A	1 25
552	Lower shield for gearing	75
553	Cover for bevel wheel	1 75
554	Bevel wheel	4 50
555	Internal gear and bevel pinion	3 50
556	Scythe, complete, 4 feet 3 in. cut	2 60
556A	" 4 " 6 "	2 50
556B	" 5 " cut	2 85
556C	" 6 " "	3 25
557C	Scythe head, complete	60
558A	" block	25
559A	" washer	05
559½	" bolt, ½x1⅞	20
560	Inside shoe, with plate 562	3 75
	" plain	3 00
561	Hinge ear and gag lug for 560	75
561C	" " " ball end	75
562	Plate for inside shoe	60
563	Outside shoe, with spring	2 75
564	Guard finger	25
564½	" plates, per dozen	60
565	Gear shifter support	60
566	" handle	75
566½	" " spring	10
567	" slide	50
567½	" " spring	15
568	Crank shaft, 1 1/16x33⅞	2 25
569	Axle, or main shaft, 1⅛x47	5 00
569A	" " 1½x55	5 00
570	Coupling bar, without bracket	3 00
571	Front brace, ⅛ inch, with nuts	2 50
572	Rear " hinge casting	60
573	Connecting rod, without box 61	2 50
573B	" " 61	2 75
574	Seat rocket and shaft	2 00
575A	Balance adjusting arm, malleable	1 00
576	Balance adjusting link	$ 0 50
576½	" " pins	10
577	Bell crank balance lever	75
578	Gag lever on coupling bar, see page 19.	75
579	" bracket on coupling bar	50
579½	Pin for gag lever bracket	10
580	Gag lever chain clevis	15
580½	" pin for chain clevis	05
581	Bell crank chain, 6 links, ¼ inch	25
581A	" " 6 " 5/16 "	25
582	Lifting lever chain, 11 links, ¼ inch	50
582A	" " 11 " 5/16 "	50
583	" socket	1 00
584	" ratchet and axle	90
585	" thumb latch	35
586	" handle, wood	75
587	" latch rod	20
588	" " bolt	40
589	Tilting lever ratchet	2 00
	For other tilter parts, see 234–237.	
591	Foot lever, double	75
591A	" single	40
592	" spring	50
593	" take-up sleeve	20
594	" crank arm	75
595	" roller	25
596	Pole hinge plate	50
597	" pin	45
598	Brass bushing in frame, front	1 25
598	" " rear	1 25
706	Spur pinion	1 00
711	Crank balance, with pin	2 50
712	Button for tool box cover	20
712½	Spiral spring for 712	05
713½D	Latch on inside shoe plate 562	30
713⅜I	Button with spring and bolt for 713½D	25
714½	Spring for outside shoe	50
715	Scythe button	10
717	Clutch ring	15
717½	Pin for clutch ring	05
718	Crank shaft ring	15
718½	Pin for crank shaft ring	05
719	Leading wheel	1 25
719½	Roll and bolt for leading wheel	50
726	Shield for Internal gear, upper	60
731½	Nut for front brace	15
733	Pin for coupling bar and frame	40
736	Main seat spring	2 00
737	Back "	1 00
741	Pin for front brace and shoe	25
742	Track clearer iron, complete	1 50
742½	" slide, with spring	35
745	Knife sections, per dozen	75
749	Stud for internal gear, reversible	1 25
752A	Oil can holder	30
753A	Pole plate, upper	20
753B	" lower	20
768A	Malleable wrench	25
771	Tilting lever link	35
771½	" " pin	15
	Evener and whiffletrees	3 00
	Pole	3 50
	Track clearer sticks, each	25
	Cold chisel	25
	Punch	20
	Oil can	20
	Spring keys or cotters, under 2 inches long, per doz	10
	Screw wrench	75

No. 2 AND HARVESTER, BUCKEYE MOWER



Pl. 28

ENG. BY RICHARDSON-N.Y.

NO. 2 AND HARVESTER, BUCKEYE MOWERS

No.	Name.	Price.
1A	Double washer for 70 or 170	$0 10
1B	" " with nut lock	20
9	Driver's seat	2 25
50B	Driving wheel	8 00
51	Spur pinion	1 25
52	Bevel pinion	1 25
53A	" wheel	5 00
54	Internal gear wheel	4 00
55	Leading wheel	1 50
56	Roll and bolt for leading wheel	50
57A	Ratchet, right hand	1 50
58A	" left hand	1 50
59	Crank balance and pin	3 00
60	Lever ratchet, 1862 to 1867, no cut	1 50
61	Pitman box, brass	60
62	Gear shifter axle	50
63	" " guide	25
64	" " handle	75
65	" " clutch	75
66	" " button	25
67	Guard finger plates, per doz	60
67A	" " " "	60
68	" "	25
68A	End guard finger	25
69	Guard finger bolts, per doz	50
70	Connecting rod for No. 2, old straight pattern, held in 157 by spring key	3 50
71	Coupling bar, wrought	5 00
72	Main seat spring, 1870–5	2 00
72A	" " " 1876 and since	2 00
74	Track clearer iron and slide	1 50
75	" " slide	40
	Thumb nut for 75	10
	" " and bolt for 75	15
76A	Outside shoe, with spring	2 75
77	Lifting chain with eye and nut	1 25
78	Gag iron and bolt	1 00
79	Lever axle iron, 1862 to 1867, no cut	1 50
80	Rear brace, coupling to frame	2 50
81	Front " for inside shoe	2 50
82	" hanger and box	6 50
82A	Perpendicular front box	2 50
83A	Cross hanger and boxes, complete	6 00
84A	Inside shoe	3 00
86	Spring keys, per doz	10
87	Box at rear end of short shaft	2 00
88	Socket wrench	50
89	Cap for front end of short shaft	1 25
91	Scythe No. 2, 14 cutting sections, state whether with 157 or 257 head	2 60
91A	Scythe, harv., 15 cutting sections	2 70
92	Crank fender	1 00
93	Spring pawl, right hand	60
94	" " left "	60

No.	Name.	Price.
95A	Linch pin	$0 10
96A	Axle washer	10
97	Blank sections, per doz	90
98	Cutting sections, per doz	90
99	Lever ratchet, 1867 to 1869, no cut	1 25
99A	Lever socket	1 25
100	" axle, 1867 to 1869, no cut	1 50
100A	" " and ratchet	1 50
135B	Back hanger	1 50
150	Trip iron for lever, 1867 to '69, no cut	50
151	Lever pawl, 1867 to 1869, no cut	50
152	Spiral spring for lever, '67 to '69, no cut	25
151A	Lever pawl	20
153A	" handle	2 00
153½	" latch	40
154	Axle, with gear and ratchets	12 00
	" without " " "	5 00
155	Short shaft, with gears	8 00
	" " without gears	3 00
156	Crank shaft, with balance and pinion	7 00
	" " only	3 50
157	Scythe head, high eye	60
159A	Crank pin, with nut	1 00
162	Scythe buttons	10
163A	Finger bar, drilled	9 00
	" " with guards	20 00
	" " " " shoes, and leading wheel	27 50
164	Pole strap, no cut	50
166	Spiral spring for gear shifter	30
167O	Axle cap, right hand	40
167A	" " left "	50
168	Lower axle cap	60
170	Connecting rod, without box	2 75
173	Back seat spring, 1870–75	1 50
173A	" " " 1876 and since	1 00
176	Outside shoe spring	1 00
176A	" " "	1 00
189	Cap for rear end of crank shaft	1 00
192	Brace for crank fender	40
193	Pin for coupling bar and shoe	40
194	" front brace " "	25
195	Grass guard, under bevel wheel	1 50
257	Scythe head, low eye	60
421C	Block and front timber	75
489A	Wheel house	1 50
518B	Seat spring socket for reaping	1 00
518C	" " " " mowing	1 00
742	Track clearer iron, with spring slide	1 50
742½	Spring slide for 742	35
	Section rivets, per lb	15
	Pole	4 00
	Track clearer sticks, each	25
	Oil can	20

BUCKEYE MOWER No. 1

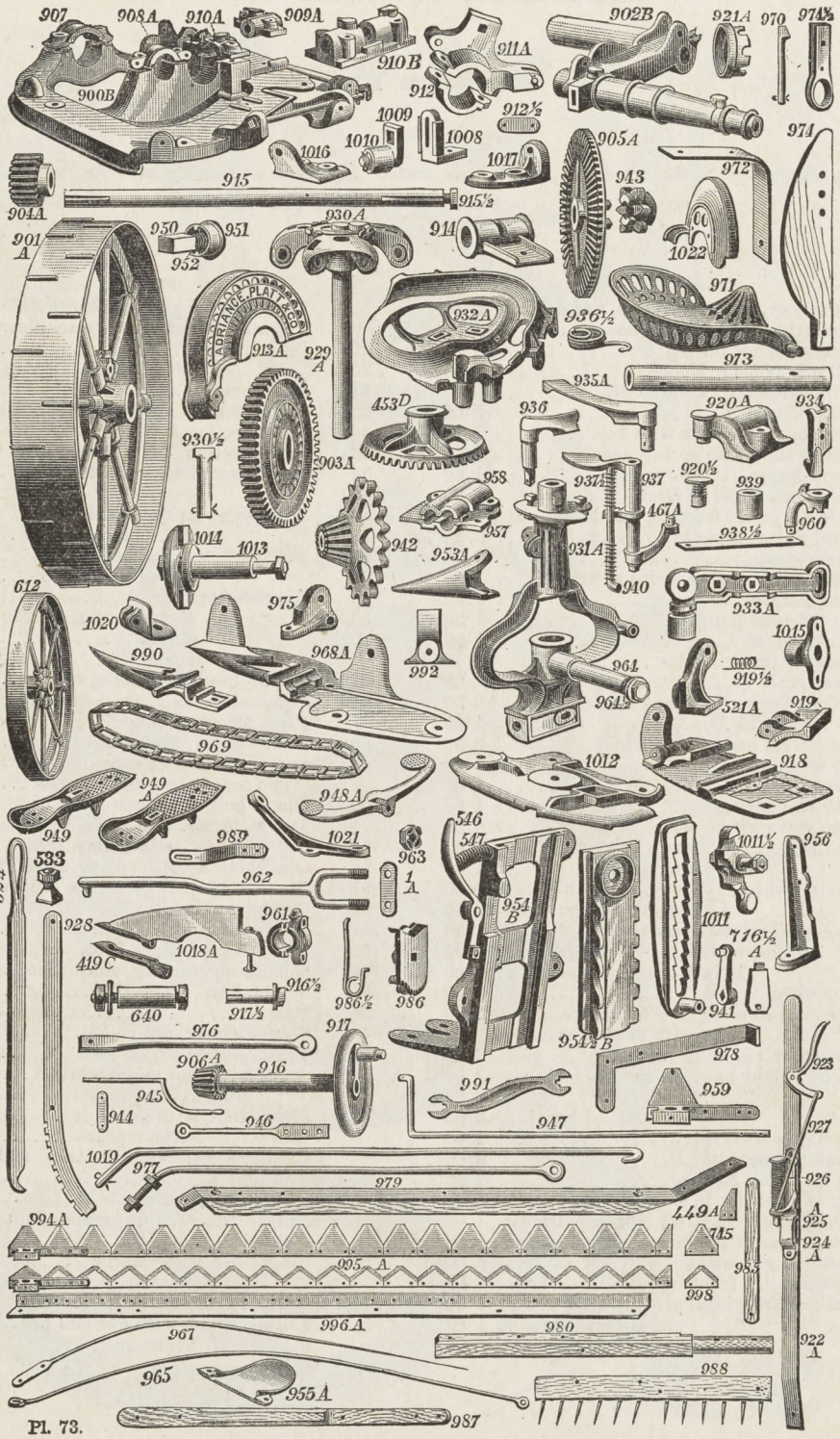
BUCKEYE MOWER No. 1

WOODEN FRAME

In ordering Scythes or Scythe Heads for No. 1, state whether High Eye or Low Eye, and also width of back or rod, whether 1 inch or $\frac{7}{8}$ inch wide. Scythe Head 41 is for 1 inch rod.

No.	Name.	Price.
0	Spring key, same as No. 86, per doz.	$ 0 10
1	Connecting rod, without boxes	3 50
1A	Double washer for No. 1	15
2	Roll and bolt for No. 25	55
3A	Composition box, same as No. 61	60
6	Inside shoe	5 00
6A	Plate for inside shoe with bolt	40
7	Outside shoe with spring, see 76	3 50
8	Guard finger, riveted, see 68	1 00
	End guard finger, riveted	1 00
	Plate for guard finger 8, per dozen	1 50
8A	Guard finger, same as 68	25
9	Driver's seat	2 50
10	Outside shoe spring, prior to 1865	1 25
11	Cross hanger	3 50
	Cap for cross hanger	1 25
12	Crank fender	I 25
	Brace for crank fender	40
13	Lever Axle	1 25
14	Box at rear end of crank shaft	2 50
	Cap for box 14	1 25
15	Box at rear end of short shaft	2 50
	Cap for box 15	1 25
16	Lever ratchet	1 50
17	Back seat spring	1 50
18	Main seat spring	4 00
19	Spur pinion, old pattern	1 25
19A	" new pattern	1 50
20	Driving wheel, $1\frac{7}{16}$ bore, prior 1870	12 00
20A	" $1\frac{1}{2}$ inch bore, since 1869.	12 00
21	Bevel pinion, state number cogs	1 25
22	" wheel, state size of bore	6 00
22A	" " $1\frac{1}{2}$ inch bore, 1870 and later	6 00
23	Spur wheel	4 50
24	Ratchet, left hand, $1\frac{7}{16}$ inch bore	2 00
24A	" " with sheave, state whether $1\frac{7}{16}$ or $1\frac{1}{2}$ inch bore	3 00
24B	Ratchet, right hand, inside $1\frac{7}{16}$ inch bore	2 00
24C	" " " $1\frac{1}{2}$ "	2 00
	" " outside, $\frac{15}{16}$ bore	3 00
25	Leading wheel	2 50
26	Crank balance and pin	3 00
	Pin for crank balance	1 25
27	Gag and bolt for raising bar	1 25
28	Front hanger and box, three patterns, state year of purchase	7 50
	Front hanger, without box	5 00
28A	Perpendicular front box	2 50
29	Track clearer, iron, prior to 1862	1 50
29A	" " and slide 1862 to '65	1 50
29B	" slide, prior to 1865	40
	Thumb nut for track clearer slide	$0 10
	Thumb nut and bolt for track clearer slide	20
30	Back hanger	1 25
30A	" 1868, not on diagram	1 50
31	Short brace	3 00
32	Scythe button, prior to 1865, see 162	15
33	Knife section, $3\frac{1}{2}$x4$\frac{1}{16}$, see 98, per dozen	90
33A	Blank section, $3\frac{1}{2}$x4$\frac{1}{16}$, see 97, "	90
34	Scythe complete, see note at top	2 80
34A	" " "	2 80
35	Spring pawl, right hand	75
35A	" left hand	75
36	Fender for spur wheel	1 00
37	" bevel pinion	50
38	Gear shifter handle	50
39	" standard, with spring	75
40	" clutch	75
	" yoke	40
41	Scythe head, see note at top	1 50
61	Composition box, for connecting rod	60
67	Plate for guard finger 68, per dozen	60
68	Guard finger, used since 1865	25
68A	End guard finger, since 1865, with one or two bolt holes, interchange	25
69	Guard bolt, per dozen	50
74	Track clearer, iron and slide, since 1865.	1 50
75	" slide, since 1865	40
76	Outside shoe, with spring, since 1865	2 75
97	Blank section $3\frac{1}{2}$x4$\frac{7}{8}$, since 1865, dozen	90
98	Cutting section $3\frac{1}{2}$x3$\frac{7}{8}$, " "	90
157	Scythe head for 1865, 1866, 1867	60
162	" button, since 1865, per dozen	1 25
176	Outside shoe spring, since 1865	1 00
257	Scythe head, since 1868	60
	Pole	5 00
	Section rivets, per pound	15
	Track clearer sticks, each	25
	Axle, with gear and ratchets	15 00
	" plain $1\frac{7}{16}$x$1\frac{1}{2}$ inch	6 00
	Short shaft, with gears	8 00
	" without gears	3 50
	Crank shaft, with balance and spur pinion	9 00
	Crank shaft, plain	5 00
	Finger bar, drilled, without guards or shoes	12 00
	Finger bar, with guards	24 00
	" " and shoes	32 00
	Coupling bar, wrought	6 00
	Lifting chain, with eye and nut	1 50
	Caps for all boxes, each	1 25

FOR ADRIANCE REAPER



ADRIANCE REAPER

IRON FRAME

No.	Name.	Price.
1A	Double washer for 962	$ 0 10
2B	" " with nut lock	20
419C	Shoe on rake guard	50
449A	Half blank sections, per doz	75
453C	Bevel wheel, 1⅜ in. bore	2 50
453D	" " 1½ "	2 50
467A	Switch lever crank	40
521A	Whiffletree iron	50
524	Lifting lever	75
533	Guard finger bolts, per doz	50
546	Latch for outside wheel support	40
547	Spiral spring for 546	30
612	Outside wheel on platform	3 25
640	Roll and bolt for outside wheel	1 00
716½A	Guard finger plates, per doz	60
745	Cutting sections, per doz	60
900C	Main frame with crank box shaft	13 00
901D	Driving wheel	13 00
902B	Crank frame or coupling	7 50
903A	Spur wheel	5 00
904A	" pinion	1 00
905A	Bevel wheel	3 00
906A	" pinion	1 00
907	Large cap on main frame	75
908A	Small " "	75
909A	Perpendicular box	2 00
910A	Cap for rear end of crank shaft	1 25
910B	Crank shaft box, two bearings	3 00
910C	" " brass bushings	4 00
910½	Brass bushing for 910C	1 25
911A	Tilting lever socket	1 50
912	Cap for 911A	50
912½	Link for pole and 911A	25
913A	Cover for spur wheel	2 00
914	Seat spring socket	1 50
914A	" " for S. spring	1 50
915	Cross shaft	2 50
915½	Nut for cross shaft	25
916	Crank shaft	1 50
916½	Nut for crank pin	25
917	Crank balance with pin	2 50
917½	" pin	1 00
918	Inside shoe, complete	2 50
919A	Spring cap for inside shoe	40
919½A	" for 919A	20
920A	Cap over scythe head	40
920½	Spring scythe stop in 920A	10
921	Axle washer	25
922A	Tilting lever handle, complete	3 00
923	Thumb latch for tilting lever	40
924A	Tilting lever strap for spring bolt	40
925A	Spring bolt for tilting lever	25
926	Spiral spring for 925A	30
927	Latch rod on tilting lever	20
928	Tilting lever rack	2 00
929	Upright shaft, 1⅜ in.; 929A 1½ in	3 00
930	Socket head, 1⅜ in.; 930A 1½ in	3 50
930½	Bolt for rake arm	40
931	Yoke, 1⅜ in. bore; 931A 1¾ in	6 00
932A	Cam, only	4 00
	Cam, complete	7 00
933A	Rake cheeks and roller	2 50
934	Rake trip	25
935A	Large switch for rake	75
936	Small " "	75
936½	Spiral spring for small switch 936	30
937	Switch lever	1 00
937½	Spring for switch lever	20
938½	Link connecting 936 and 937	20
939	Roll for rake check 933A	75
940	Swing bar for switch lever	50
941	Trip crank for 945	25
942	Sprocket wheel and pinion, large	3 00
943	" small (3 sizes) each	50
944	Link connecting 940 to 945	25
945	Crank rod on yoke	60
946	Link rod, from 941 to 947	60
947	Foot pedal rod	1 00
948A	" "	75
949	" rest, left	75

No.	Name.	Price.
949A	Foot rest, right	$ 0 75
950	Pawl in driving wheel	75
951	" handle	40
952	" spring	15
953A	Nose iron on platform divider	40
954B	Outside wheel support, with 546, 547	2 50
954½B	Sliding gauge for outside wheel	1 00
955A	Fender for crank balance	75
956	Cast brace on outer quarter circle	75
957	Switch lever casting	75
958	Cap for switch casting	75
959	Scythe head	40
960	Crank for small switch	40
961	Composition box for 962	60
962	Connection rod, without box	2 25
963	Fork nut for connecting rod	10
964	Stud in yoke for sprocket wheel	1 50
964½	Nut for 964	25
965	Guard rod for outside wheel	1 00
966A	Rod on wing board, wood	75
967	" quarter circle, iron	1 50
968A	Outside shoe	2 50
968B	"	2 50
968C	" since 1886	2 50
969	Driving chain for rake	1 50
970	Linch pin	15
971	Seat	2 50
972A	Seat spring, main (not on cut)	2 00
972½	Back seat spring "	1 50
972B	Seat spring, S shape "	2 00
973A	Iron pipe seat support	1 00
974	Seat brace, wood	1 00
974½	" socket	75
975	Pedal rod holder	40
976	Brace rod for yoke, short	75
977	" " " long	1 00
978	Jack, for support while folding	1 75
979	Pole brace	4 00
980A	Foot bar, wood (two pieces)	2 00
	" " with hinges	3 00
981	Socket wrench, cast iron	25
985	Rake slat	25
986	" holder	30
986½	Spring for rake slat holder	15
987	Rake arm	1 25
988	"	1 50
989	" brace	25
990	Guard finger	25
991	Wrench, malleable, S shaped	25
992	Scythe button	15
993	Plate for rod on quarter circle	25
994A	Scythe, complete	2 60
994C	" " (no half blank)	2 60
995A	Sickle, complete	3 00
995C	" " (no half blank)	3 00
996A	Finger bar, angle iron	4 00
998	Sickle sections, per dozen	1 00
1002	Hinge for foot bar	75
1003	Plate under foot bar hinge	40
1008	Standard for chain tightener	50
1009	Axle slide "	50
1010	Roller for " "	50
1011	Double ratchet rack	2 00
1011½	Pawl for "	50
1012	Stringer casting under platform	1 25
1013	Thimble for out wheel with flange	75
1014	Washer and bolt for 1013	40
1015	Supporting rod socket	75
1016	Hinge casting, front, for platform	1 00
1017	" rear, "	1 00
1018A	Rake guard on platform	1 00
1019	Support rod for folder platform	2 00
1020	Tilting lever rack holder	60
1021	Cast brace for wing board	40
1022	Cover for bevel gear	1 75
	Pole	4 00
	Inside divider board	2 00
	Wing board on outside divider	1 50
	Oil can	20

BUCKEYE SELF-RAKING REAPER

Pl. 32.

BUCKEYE HARVESTER SELF RAKE REAPER

WOODEN FRAME—1871 AND LATER BUILD

In ordering either smooth or sickle scythes for Harvester Self Rake machines, state the width of the scythe rod or back. These machines, made prior to 1876, have a $\frac{7}{8}$ inch back; made since, have a $\frac{3}{4}$ inch back.

No.	Name.	Price.
101	Outside wheel for platform	$ 4 50
102	Roll and bolt for outside wheel	1 00
327C	Scythe button	15
400B	Rake arm cheek, with roller	2 00
401A	" " " without roller	1 00
402B	Rake trip	40
404A	Small switch	75
405B	Large "	75
406C	Outside shoe	2 50
407C	Inside "	4 00
407½D	Plate on inside shoe	40
407½DE	Latch " "	40
408D	Cam only	4 00
408D	" complete	6 00
409A	Driving sheave, with bevel pinion	4 00
410A	Axle sheave	3 00
411A	Socket head for rake arms	4 00
411½	Bolt for rake arms	40
412D	Yoke, malleable	7 50
414	Rake slat casting	25
416A	Claw on back timber	40
419D	Rake guard	2 00
423	Hinge, on platform for brace	75
431A	Driving chain	2 50
432C	Rake arm, wood	75
432½	" slat, "	25
433B	" wood	2 00
433½	" tooth, wood	06
436	Back brace	2 00
437	Chain for back brace	1 00
438A	Pulley on pole for trip rope	1 00
441	Steel washer for 400A	25
442	Roll for 400A	50
443	Spiral spring for small switch, 404A	30
444A	Rod for switch lever	25
446	Scythe, complete	2 80
446½	Sickle, "	2 80
447A	Knife sections, per doz	75
447½	Sickle " "	1 00
448A	Blank knife sections, per doz	1 00
448½	" sickle " "	1 00
449A	Half blank knife sections, per doz	75
449½	" " sickle " "	75
453C	Bevel wheel	2 50
467A	Switch lever crank	50
468	Switch crank	$ 0 50
469A	" lever	1 00
473	Pulley on platform for switch rope	75
484	Spiral spring for switch lever, 469A	25
485C	Upright shaft	4 00
488	Bevel washer for rake	10
490A	Crank for reaper lever	1 25
491	Link joint for reaper lever	50
492A	Arc " " "	1 50
493	Guard for rear end of pole	50
494	Socket for reaper lever	60
494½A	Wrought lever	1 00
495	Link strap for reaper lever	25
496	Cast brace on inner divider	50
497	Rubber spring plug	20
498	Rod on outer divider	1 25
499	" quarter circle	1 25
500	Long strap bolt	40
501	Short " "	40
502	Brace for wing board	50
503	Angle iron under inner divider	40
504	Slotted iron for wood gauge	40
505	Rake brace	25
506	Sheet iron apron	2 50
507	" " divider extension	1 25
513	Gauge for sheet iron apron, wood	75
514	Lever handle, wood	25
517	Suspension bar	2 25
521A	Whiffletree iron	50
523	Nose iron	60
524	Lever for outer wheel	75
526	Guard finger	35
531	" rod for outer wheel	1 25
532	Finger bar, angle iron	4 00
533	Guard finger bolts, per doz	50
534	Stud for yoke	1 50
541	Foot lever	1 00
544	Support for outside wheel	3 00
545	Sliding gauge for outside wheel	2 50
546	Latch for sliding gauge	40
547	Spring " "	30
548	Bolt for outside wheel	15
626A	Lifting screw hook	1 50
716½A	Guard finger plates, per doz	60

CODE FOR ORDERING PARTS OF ADRIANCE BINDER BY TELEGRAPH

Name of Part.	Cipher.
Rye divider grain stick, inside	Expel
" " outside	Expend
Wind guard, complete	Expensive
Front feeder drum, with butter disk	Expired
Second " 458 inches long	Explode
Third " both halves, $18\frac{3}{16}$ in.	Explosion
" " one half	Exposure
Rear " $16\frac{1}{4}$ inches long	Expulsion
Full set of four feeder drums	Extend
Feeder roller stave, notched	External
Feeder roller stave, plain	Extortion
Pole, for use with bolted brace	Extracts
" " hooked brace, 11 feet 6 inches long	Extreme
Pole, for No. 5758 and up, 12 ft. 9 in. long	Extremity
End holder, complete	Extricate
Wind guard, " 5 feet	Exuberant
" " 6 "	Exultant
" only, 5 "	Exultation
" " 6 "	Exultingly

NUMBERED PARTS

No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.
745	Humanity	1221A	Justness	1252	Oxide	1281	Scarf
924A	Humanize	1222	Juvenile	1253	Oxygen	1281A	Scatter
926	Humdrum	1223	Modern	1254	Painful	1281B	Scattering
998	Humidity	1224	Modesty	1254A	Painless	1281½	Scheme
1200	Humiliate	1225	Moisture	1259	Paint	1282	Sediment
1200A	Humming	1225A	Molested	1259A	Painter	1282A	Sedition
1200C	Humor	1226	Moment	1260	Palace	1282B	Seductive
1201	Humorous	1226A	Momently	1260A	Palatial	1282½	Segment
1201A	Hungry	1227	Monarch	1260B	Palatine	1282½A	Selfish
1201D	Hunters	1228	Monitor	1261	Palisade	1282½B	Seminary
1201½	Hunting	1228½	Monkeys	1262	Palm	1283	Senate
1201½A	Hurtful	1228½A	Monkish	1262A	Palpable	1283A	Sensible
1201½B	Huntsman	1229	Monster	1262B	Palmate	1283½	Sheath
1202	Husband	1229½	Moral	1262⅓	Palpator	1283½A	Shelf
1202C	Hydrant	1230	Morphine	1263	Palpiform	1284	Shelter
1202E	Hurdles	1230A	Morsel	1263A	Palpitate	1284A	Shelving
1203	Hydrogen	1231	Mortal	1264	Palsy	1284½	Sheriff
1204	Hymn	1231A	Mortars	1264A	Pamphlet	1284½	Shingle
1204A	Hyphen	1232	Mortify	1264B	Panel	1284½A	Shining
1205	Jacket	1232A	Mortised	1265	Panic	1285	Shock
1205A	Jaded	1233	Motion	1265½	Pantaloon	1285½	Skein
1206	Jail	1233A	Mouldy	1266	Panther	1286	Skeptic
1207	Japan	1233B	Moulder	1267	Paper	1286A	Sketch
1207A	Jargon	1234	Mound	1267A	Petulant	1287	Skiff
1208	Jaunt	1234A	Moved	1268	Phantom	1288	Sofa
1209	Jealous	1235	Much	1269	Pharmacy	1288A	Soften
1209A	Jewel	1236	Mucilage	1269½	Physic	1289	Softish
1209C	Jackflag	1237	Muddy	1269A	Piano	1289A	Softly
1210	Jewish	1238	Mulatto	1269B	Pickle	1289½	Softman
1211	Jingle	1238A	Mulattress	1270	Picnic	1289½A	Softness
1211A	Jockey	1238½	Mulattug	1270½	Picture	1290	Soil
1211B	Jackman	1239	Mulberry	1271	Pilfer	1290A	Sojourn
1212	Joke	1240	Mumps	1271A	Pilgrim	1291	Soldier
1212A	Jolly	1241	Murder	1271½	Pilot	1291A	Spartan
1212B	Jewshop	1242	Muscular	1272	Pirate'	1292	Spasm
1213	Jordon	1243	Museum	1273	Pitiful	1292A	Speaker
1213A	Jostling	1244	Music	1273A	Placard	1293	Spoken
1214	Journal	1244A	Musical	1273B	Poker	1293A	Sprain
1214A	Journey	1245A	Musket	1273C	Poplarity	1294	Sprawl
1214B	Jousted	1246	Mutilate	1274	Policy	1294A	Spray
1215	Jove	1247	Mutiny	1275	Polish	1295	Spread
1215A	Joyful	1247A	Mutism	1276	Polka	1296	Spreading
1215B	Joyless	1248	Mutual	1276A	Poppy	1296A	Sprightly
1216	Judge	1248½	Mystery	1277	Populace	1297	Sprinkle
1217	Juggler	1249	Mystify	1277A	Popular	1297A	Spruce
1218	Jump	1250	Origin	1278	Porous	1298	Sprung
1219	Junction	1250A	Ought	1278A	Portion	1298½	Spud
1219A	Junket	1250B	Owing	1278B	Portlid	1300	Spurious
1220	Jury	1251	Owner	1279	Portrait	1301	Squabble
1221	Justify	1251½	Ownership	1280	Scanty	1302	Squadron

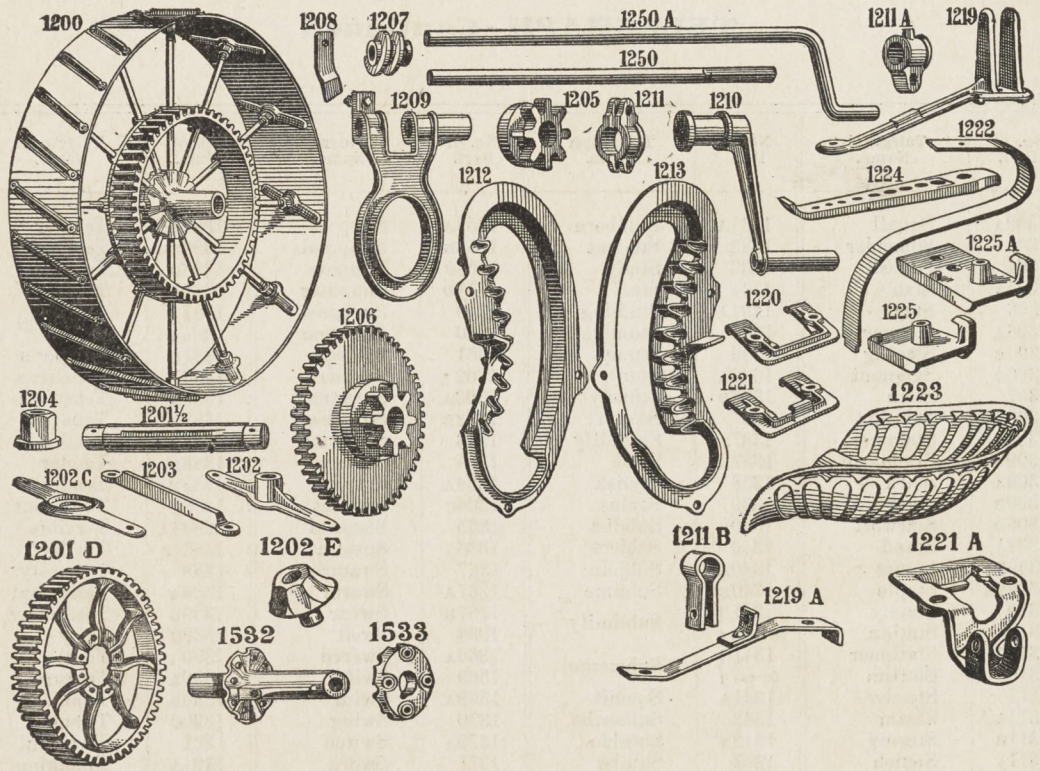
CODE FOR ORDERING PARTS OF ADRIANCE BINDER BY TELEGRAPH—Continued.

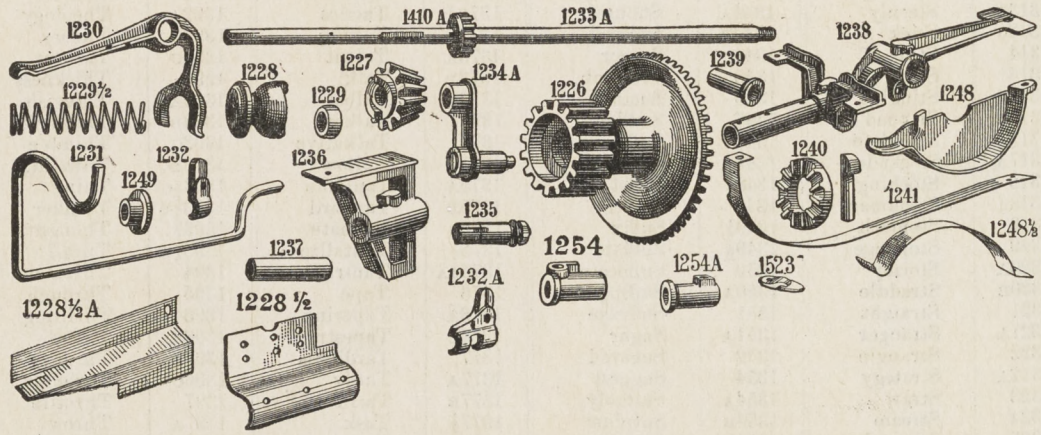
No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.
1401	Token	1420	Trifle	1446	Vigilant	1478	Weakness
1402	Tomb	1420A	Triform	1446A	Vigor	1478½	Wealth
1402½	Tomcod	1421	Trinity	1447	Vileness	1479	Weary
1403	Tongue	1421A	Trinket	1448	Vine	1480	Weather
1403A	Tonic	1421½	Troop	1449	Vinegar	1480A	Weave
1403½	Tooth	1422	Trout	1450	Violate	1481	Wedding
1403½A	Topaz	1423	Vacant	1451	Violence	1482	Wedge
1404	Torment	1423B	Vacation	1451A	Violet	1483	Weeping
1404½	Tormentil	1424A	Vagabond	1452	Violin	1484	Welcome
1404A	Tormentor	1425	Vagary	1452A	Viper	1485	Welfare
1405	Tornado	1425A	Vagrant	1453	Virtue	1486	Wench
1405A	Torous	1426	Vague	1454	Vision	1486½	Wept
1406	Torpedo	1427	Vail	1455	Visible	1487	Western
1407	Torrent	1427A	Valiant	1456	Visit	1488A	Whack
1407A	Torture	1428	Valid	1456A	Vital	1488B	Whaling
1407B	Tory	1428½	Valley	1457	Vitality	1488C	Wharf
1408	Total	1429	Valor	1458	Vivacity	1488D	Wheel
1409	Touch	1430	Valuable	1459	Vivid	1489	Whelp
1409A	Tower	1431	Value	1459A	Vixen	1489A	Whimper
1409B	Town	1431A	Vandals	1460	Vocal	1490	Whine
1410	Townlet	1432	Vanity	1460½	Vogue	1490A	Whip
1410A	Tracing	1433	Vapor	1461	Volcano	1490B	Whipper
1411	Track	1433A	Various	1462	Volume	1491	Whisper
1411A	Trade	1433B	Varnish	1463	Vortex	1492	Whistle
1411B	Tradeful	1434	Vary	1463A	Vorticle	1493	Why
1412	Trading	1434A	Velocity	1465	Votary	1493A	Wicked
1413	Traffic	1435	Velvet	1466	Vote	1493C	Wide
1413A	Tragic	1435A	Velveteen	1467	Vouch	1493D	Widow
1413B	Trail	1436	Venom	1467A	Vowel	1493E	Widower
1414	Train	1436½	Venture	1467B	Vulcan	1494	Width
1414A	Trample	1437	Veranda	1467½	Wafers	1495	Wife
1414B	Trance	1437A	Verbal	1471	Waffle	1495A	Wigwam
1414C	Transfix	1437B	Verbena	1471A	Waft	1496	Wilful
1415	Transmit	1438	Verdant	1471B	Wakeful	1496A	Window
1416	Transpire	1438A	Verdict	1471C	Waken	1497	Winking
1416A	Transplant	1439	Verge	1472	Walking	1498	Winning
1416B	Transverse	1439A	Verify	1473	Walnut	1499	Winter
1417A	Trap	1439C	Vermin	1473A	Walrus	1500	Wiping
1417B	Travel	1442	Vesper	1473B	Wander	1501	Wisdom
1417C	Traveled	1442A	Vestige	1473C	Wanting	1502	Witness
1417½A	Traveling	1443	Veteran	1474	Warden	1521	Witted
1417½B	Treasure	1443A	Vex	1474A	Warmly	1523	Witty
1417½C	Treasuress	1443B	Vexer	1474¼	Warmth	1525	Wizard
1418A	Treaty	1444	Vexation	1474½	Warping	1526	Wizen
1418½	Trespass	1444A	Viaduct	1474½A	Warrant	1532	Woad
1419	Trial	1445	Vial	1475	Wash	1533	Woful
1419A	Tribe	1445A	Vibrate	1476	Wasted		
1419B	Tribute	1445½	Victim	1477	Watchful		
1419C	Trice	1445½A	Vigil	1477A	Water		

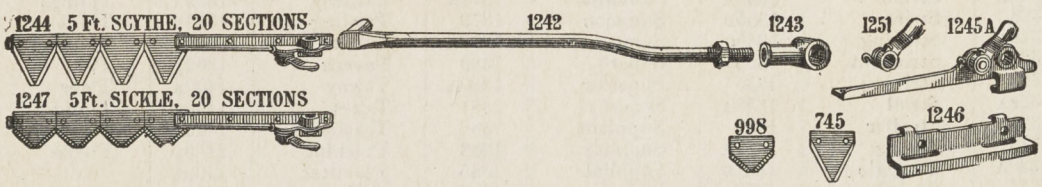
CODE FOR ORDERING PARTS OF ADRIANCE BINDER BY TELEGRAPH—Continued

No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.
1302A	Squall	1331A	Stubborn	1358A	Support	1386A	Temper
1303	Squander	1332	Student	1358B	Supposal	1386B	Tempest
1304	Squash	1333	Study	1358C	Suppose	1386C	Templar
1305	Stable	1334	Stuff	1358D	Supposer	1387	Temple
1306	Stage	1334A	Stuffiing	1359	Suppress	1387 Plain	Temporal
1306A	Stagger	1335	Stumble	1360	Supreme		
1306B	Staging	1336	Stump	1361	Surface	1387½	Temporist
1306C	Stagnant	1336A	Stun	1362	Surmise	1388	Tempting
1307	Stain	1336B	Stupefy	1362A	Surmount	1388A	Tenacious
1308	Stamina	1337	Stupid	1362B	Surprise	1388B	Tenacity
1308A	Stammer	1337A	Stupidity	1363	Surround	1388C	Tendency
1309	Stampede	1337B	Style	1364	Survey	1388D	Tender
1309A	Stark	1338	Stylish	1364A	Survive	1388E	Tenure
1309B	Starve	1339	Stylus	1364C	Suspect	1388½	Tenement
1309D	Starwort	1339½	Subdue	1365	Suspend	1388½A	Terrible
1309½	Stand	1340	Subject	1366	Sustain	1388½B	Terrify
1309¾	Stanza	1340A	Subjoin	1367	Swamp	1389	Territory
1309¾A	Staple	1340B	Sublime	1367A	Swarm	1389A	Testament
1310	Stately	1341 Straight	Sublimity	1367B	Swear	1389B	Testimony
1310A	Station			1368	Swell	1389C	Testy
1310B	Stationer	1341 Curved	Submerge	1368A	Swerve	1390	Text
1310C	Statism			1369	Swift	1390A	Texture
1311	Steady	1341A	Submit	1369A	Swim	1390B	Thank
1311A	Steam	1342	Subscribe	1370	Swing	1390C	Thanker
1311B	Steamy	1342A	Subside	1370A	Switch	1391	Thankful
1311½	Stench	1343	Subsist	1371	Sword	1391A	Thanking
1312	Stencil	1343A	Substance	1372	Sylvan	1391B	Theft
1312A	Sterile	1343B	Substile	1372A	Tablet	1391C	Theave
1313	Sterling	1344	Substract	1372B	Tabular	1392	Theatre
1313B	Sternly	1344A	Suburb	1372½	Tactics	1392A	Theology
1313C	Stick	1344B	Succeed	1373	Taking	1392B	Theory
1314	Stiff	1344C	Succor	1373A	Talent	1392C	Thereat
1315	Stifle	1345	Succumb	1373B	Talk	1393	Thickness
1316	Stinging	1346	Suction	1373C	Talbot	1393A	Thievish
1316A	Stipend	1347	Sudden	1373½	Talkate	1393B	Thigh
1317	Stipulate	1348	Suffering	1374	Talkative	1393C	Thimble
1317A	Stockade	1348A	Sufferal	1375	Tallow	1393D	Thirsting
1318	Stocking	1348½	Suffet	1375A	Tangible	1393½C	Thing
1318A	Stockman	1349	Suffice	1375B	Tankard	1393½D	Thinker
1319	Stomach	1349¼	Suffix	1375C	Tannate	1393¾	Thought
1320	Stoppage	1349½	Sufflate	1375½	Tantalize	1393¾A	Thrall
1320A	Stormy	1350	Suffocate	1375½A	Tantrum	1394	Threaten
1320B	Straddle	1350A	Suffragan	1376	Tape	1395	Through
1321	Straight	1351	Suffrage	1376A	Tapering	1396	Thrilling
1321A	Stranger	1351A	Sugar	1376B	Tapestry	1396A	Throb
1322	Strangle	1352	Sugared	1377	Tardiness	1396B	Throng
1322A	Strategy	1354	Suggest	1377A	Tardy	1396C	Throngly
1323	Straw	1354A	Suitably	1377B	Tariff	1397	Throttle
1324	Stream	1354B	Sulphur	1377½	Task	1397A	Throw
1325	Strength	1354C	Summary	1377½A	Tassel	1397½	Thrush
1326	Stretch	1354D	Summation	1378	Taste	1398	Thumb
1327	Stricken	1355	Summer	1378A	Tattler	1399	Ticket
1327A	Stride.	1355A	Summist	1378B	Tattlery	1399A	Tidings
1328	Strife	1355B	Summon	1379	Tattling	1399B	Tidology
1328A	Striking	1355C	Sump	1379A	Taunt	1399¼	Tidologist
1328B	Stringent	1355½	Superb	1380	Tavern	1369½	Tidy
1329	Striving	1356	Superior	1380A	Tawny	1400A	T ger
1329A	Stroll	1356A	Supernal	1381	Taxes	1400B	Timid
1329B	Stroller	1357	Supplant	1382	Teacher	1400C	Tinkling
1330	Strong	1357A	Supplely	1383	Teaching	1400D	Tissue
1330A	Struggle	1357B	Supplial	1385	Teamster	1400E	[illegible]
1331	Stubble	1358	Supply	1386	Tedious	1400F	[illegible]

ADRIANCE BINDER







ADRIANCE BINDER

DRIVING WHEEL AND PARTS

No.	Name.	Price.
1200	Driving wheel, complete, 9 inch hub	$20 00
1200A	" " 10 "	20 00
1200C	" " bolted gear	20 00
1201	" gear and spokes	8 00
1201A	" " "	8 00
1201D	" gear, bolts to spokes	3 00
1201½	" axle, 12x1⅛ inches	1 50
1201½A	" " 13x1⅛ "	1 50
1201½B	" " 16x1⅜ "	1 50
1532	Hub for driving wheel	1 75
1533	Loose collar on 1532	75
1202	Spoke socket on tire, 1889 only	25
1202C	" "	25
1202E	" " for 1200C	10
1203	Lug on outside of tire	15
1204	Spoke nut for ⅝ inch spoke	20
1204A	" 11/16 "	20

RAISING AND LOWERING PARTS

1205	Lifting pinion on axle, see 1205A	$ 0 75
1205A	" " used with 1200C	75
1206	Worm wheel and pinion	1 50
1207	Lifting worm, 13/16 inch hole, for 1250A	30
1207A	" 15/16 " " 1250B	30
1208	Guide on worm shaft frame	10
1209	Worm shaft frame, 1⅛ hole, for 1250A	1 00
1209A	" " 15/16 " 1250B	1 00
1209C	" "	1 00
1210	Crank for worm shaft, 1889 only	40
1211	Rear box, for worm shaft, 1889 only	25
1211A	" " " since 1889	25
1211B	Supporting loop for rear of worm shaft	15
1212	Driving wheel hanger, right hand	1 50
1212A	" " " "	1 50
1212B	" " " "	1 50
1213	" " left hand	1 50
1213A	" " "	1 50
1214 to 1218	See frame timbers below	
1219	Brace with ears, on back timber	50
1219A	Brace on back timber	40
1250	Lifting worm shaft, 1889 only	1 00
1250A	" " and crank	1 50
1250B	" " "	1 50

FRAME TIMBERS AND COVERS

1214	Frame timber, front	$ 1 25
1214A	" "	1 25
1214B	" "	1 25
1215	" rear	1 25
1215A	" "	1 25
1215B	" "	1 25
1216	" left hand	1 50
1217	" middle	1 50
1218	" right hand	1 25
	Deck board, front, 1889 only	75
	" rear, "	50
	Spring for deck board, "	20
	Deck grating	50

DRIVER'S SEAT ATTACHMENTS, ETC.

1220	Seat spring socket, upper	$ 0 30
1221	" " lower	30
1221A	" " "	45

DRIVER'S SEAT ATTACHMENTS, ETC.—Continued

No.	Name.	Price.
1222	Seat spring	$ 1 50
1223	Seat	1 50
1224	Foot rest	50
1225	Pivot for foot rest, 1889 only	25
1225A	" " since 1889	30

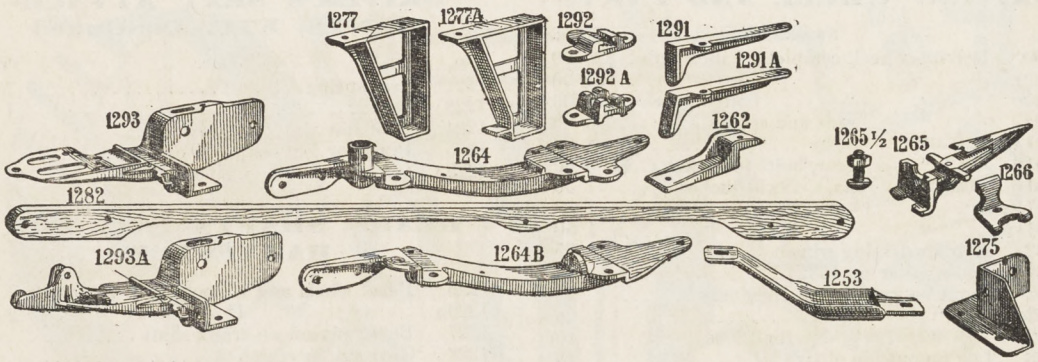
GEARS, SHAFTS, ETC., FOR HARVESTER

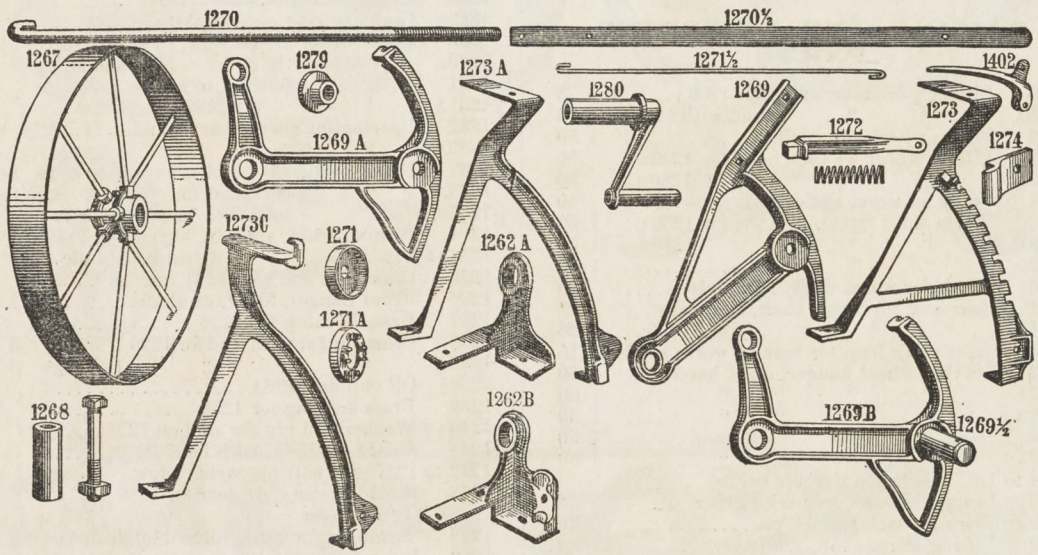
1226	Bevel wheel and 15 tooth spur pinion	$ 2 50
1226A	" " 11 " "	2 50
1227	Bevel pinion on crank shaft	60
1228	Gear shifter clutch	45
1228½	Shield for gear shifter spring	10
1228½A	" " clutch	10
1229	Collar on crank shaft	10
1229½	Clutch spring on crank shaft	25
1230	Gear shifter clutch fork, to season 1893	40
1230A	" " " 1893 and since	40
1231	" handle, to season 1893	30
1231A	" " 1893 and since	30
1232	Bearing for gear shifter handle	5
1232A	" " "	5
1233	Crank shaft, 1x46 inches keyseated ends	2 00
1233A	" threaded for crank	2 00
1233B	" used with inside chain	2 00
1234	Pitman crank and pin, keyseated, 1889	1 25
1234A	" " threaded hole	1 25
1235	Crank pin and nut, 1x3¼ inches	75
1236	Front hanger, for crank shaft	2 00
1237	Brass bushing for 1236	75
1238	Cross hanger with stud for 1226 } inter-	3 50
1238A	" " " } change	3 50
1238½	Oil cup for 1238A	10
1239	Brass bushing for 1238	65
1240	Washer and pin for stud on 1238	10
1241	Shield for bevel wheel 1226	75
1242 to 1247	See cutting parts, below	
1248	Shield under spur gear on 1238	25
1248½	" over " "	10
1249	Trunnion for gear shifter clutch fork	5
1250	See raising and lowering parts, 1st col.	
1251 and 1252	See cutting parts, below	
1254	Rear box for crank shaft	65
1254A	" " "	65
1523	Oil hole cover	5

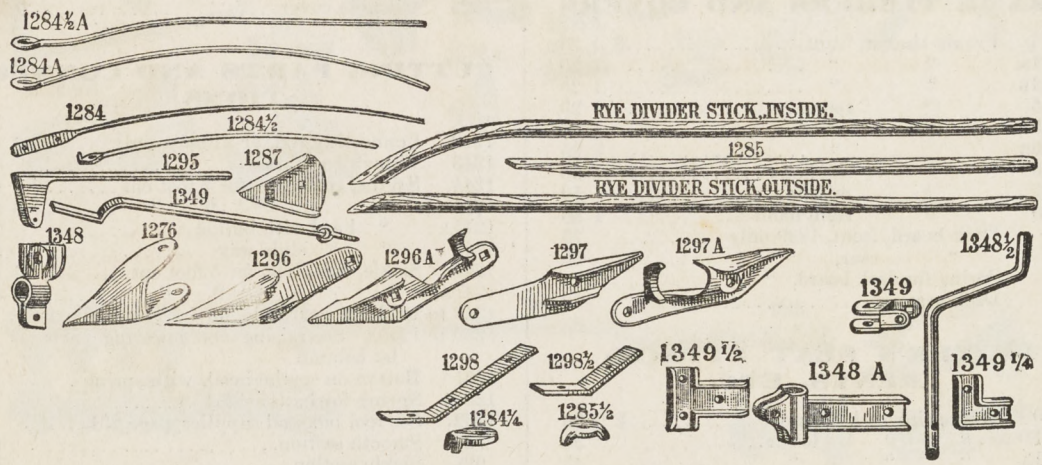
CUTTING PARTS AND CONNECTIONS

1242	Connecting rod, or pitman, only	$ 1 00
1243	Pitman box, brass	80
1244	Scythe, complete, for 5 foot cut	4 00
1244A	" " " 6 "	5 00
1245A	" head with button	70
1246	" " slide way	50
1247	Sickle, complete, for 5 foot cut	4 00
1247A	" " " 6 "	5 00
1248 to 1249	See gears, etc. for harvester above	
1250 to 1250B	See raising and lowering parts 1st column	
1251	Button on scythe head, with spring	15
1251½	Spring for button 1251	5
1252	See tool box and supplies, page 231	
745	Smooth section	07
998	Sickle section	08

ADRIANCE BINDER—Continued







ADRIANCE BINDER—Continued

PLATFORM, FINGER BAR AND CANVAS APRON PARTS

No.	Name.	Price.
1253	Pitman crank fender and frame brace..	$ 0 50
1254	See gears, shafts, etc., page 221.	
1259	Protecting strip under finger bar, 5 ft..	1 25
1259A	" " " " " 6 ft..	1 50
1260	Platform sill, rear, for 5 ft. cut.....	2 00
1260A	" " " for 5 ft. "	2 00
1260B	" " " for 6 ft. "	2 00
1261	" " outer end.....	1 00
1262	Clip on outer corner of platform, 1889.	30
1262A	See grain wheel and attachments, below	
1263	Finger bar for 5 ft. cut	8 00
1263A	" " for 6 ft. "	8 50
1264	Inside shoe.....	2 50
1264A	" "	2 50
1264B	" " with eye for pole brace....	2 50
1265	Guard finger.....	30
1265½	" " bolt.....	5
1266	Scythe button.....	10
1267 to 1274,	See grain wheel & at'ch'ts, below.	
1275	Corner iron, under rear of platform...	50
1276	See grain divider parts, next column.	
1277	Bracket from frame to finger bar.....	1 00
1277A	" " " " "	1 00
1278 and 1278A,	See tilting parts, etc., page 225.	
1279 and 1280,	See grain wheel and attachments, below.	
1281	Canvas apron, complete, for 5 ft. cut..	4 50
1281A	" " " " 5 ft. " ..	4 50
1281B	" " " " 6 ft. " ..	5 50
1281½	Slats for canvas apron, each.....	6
1282	Apron guide, front, for 5 ft. cut.....	1 00
1282A	" " " " 5 ft. "	1 00
1282B	" " " " 6 ft. "	1 00
1282½	" " rear " 5 ft. "	1 00
1282½A	" " " " 5 ft. "	1 00
1282½B	" " " " 6 ft. "	1 00
1283 to 1289½A,	See grain divider parts, next col.	
1290	Extension board, comp., 5 ft. platform.	1 50
1290A	" " " 6 ft. " .	1 50
1291	Bracket for extension board, 1889.....	15
1291A	" " " since '89..	15
1292	Socket for bracket 1291.....	15
1292A	" " 1291A.....	15
2293	Outside shoe.....	2 00
1293A	" "	2 00

GRAIN WHEEL AND ATTACHMENTS

1262A	Corner iron with eye for 1270. See 1262B	$0 75
1262B	" " will replace 1262A.	75
1267	Grain wheel, wrought or cast.....	3 00
1267A	" " cast, replaces 1267.....	3 00
1268	Roll and bolt for grain wheel.....	75
1269	Grain wheel lever socket, 1889 only...	1 50
1269½	Stud for grain wheel.....	75
1269A	Grain wheel adjusting arm.....	1 50
1269B	" " " with stud..	2 00
1270	" " " rod.....	1 50
1270½	" " lever handle, 1889 only..	1 00
1402	" " " latch	15
1271	Washer and dust shield for 1267.....	10
1271A	" " " " 1267.....	10

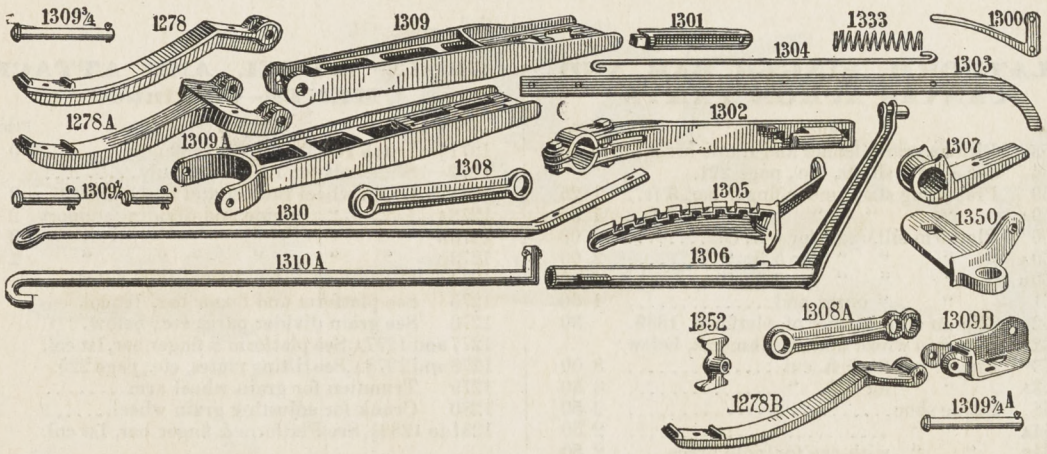
GRAIN WHEEL AND ATTACHMENTS—Continued

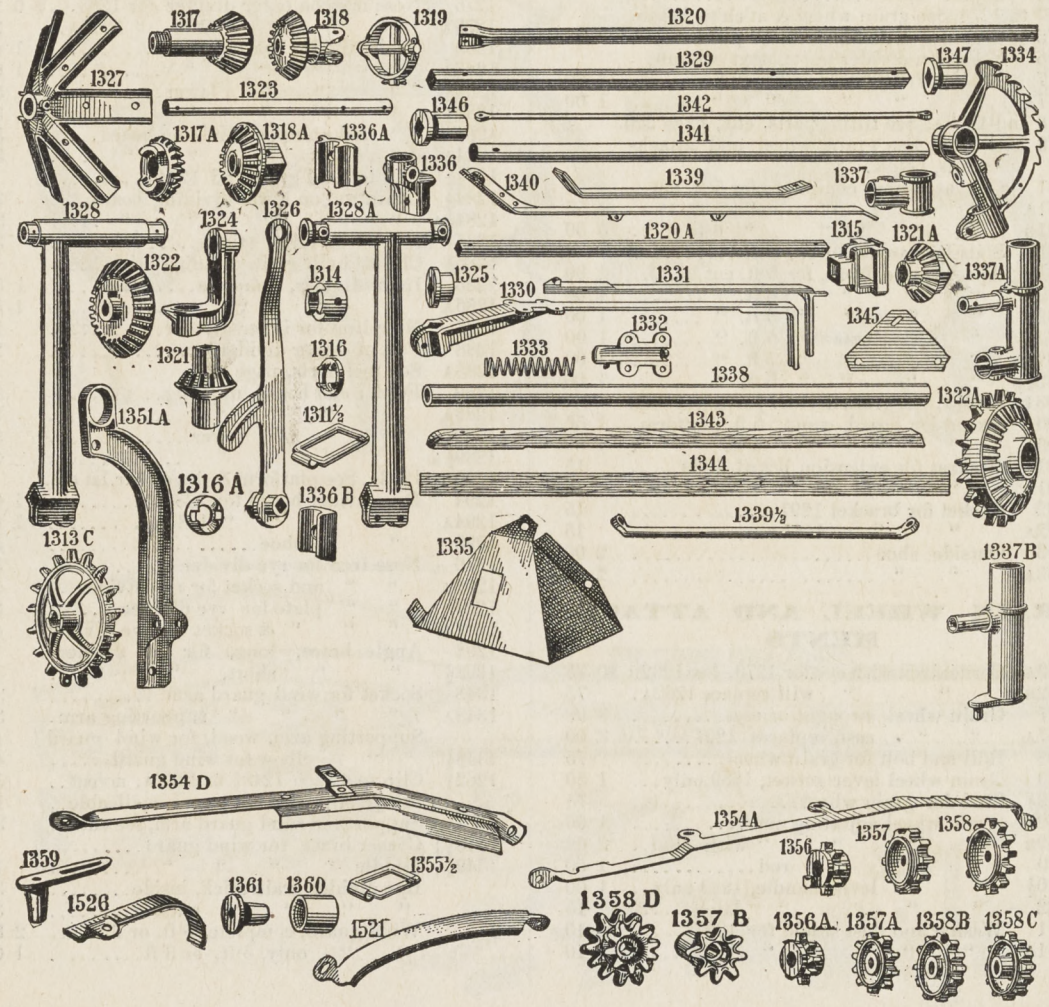
No.	Name.	Price.
1271½	Latch rod for 1270½, 1889 only.....	$ 0 15
1272	Slide bolt for 1269, 1889 only.....	25
1273	Grain wheel ratchet and brace, 1889...	2 00
1273A	" " guide and dividing support	2 00
1273B	" " " " "	2 00
1273C	" " " " "	2 00
1274	Guide button for 1270½, 1889 only....	10
1275	See platform and finger bar, 1st col.	
1276	See grain divider parts, etc., below.	
1277 and 1277A,	See platform & finger bar, 1st col.	
1278 and 1278A,	See tilting plates, etc., page 225.	
1279	Trunnion for grain wheel arm.....	10
1280	Crank for adjusting grain wheel.....	75
1281 to 1282½,	See Platform & finger bar, 1st col.	

GRAIN DIVIDER PARTS, ETC., AND WIND GUARD

1276	Nose iron on outer divider for 1283...	$ 0 25
1276A	" " " " " 1283A..	25
1283	Grain divider board, upper.....	1 00
1283A	" " " "	1 00
1283½	" " " lower.....	50
1283½A	" " " "	50
1284	" rod on upper dividing board.....	50
1284A	" " " " "	30
1284¼	Clip to hold grain rod 1284A.....	5
1284½	Grain rod on lower dividing board....	30
1284½A	" " " " "	30
1285	" dividing stick.....	30
1285½	Clip to hold grain dividing stick 1285.	5
1286	Inner divider, complete.....	1 50
1286A	" " "	1 50
1287	Nose iron for inner divider.....	15
1288	Post of inner divider.....	25
1288A	See reel parts, page 225.	
1289	Feeder end board, upper.....	30
1289A	" " " "	30
1289½	" " " lower.....	30
1289½A	" " " "	30
1290 to 1293A,	See platform & finger bar, 1st col.	
1294	Rye divider board for 1283.....	1 00
1294A	" " " " 1283A.....	1 00
1295	" " shoe.....	50
1296	Nose iron for rye divider	50
1296A	" " and socket for rye divider...	60
1297	" " plate for rye divider.....	30
1297A	" " " & socket for rye divider	40
1298	Angle brace, long, for rye divider.	15
1298½	" " short, " " ..	10
1348	Socket for wind guard arm.....	30
1348A	" " " " supporting arm.	30
	Supporting arm, wood, for wind guard	15
1348½	" elbow for wind guard.....	40
1262¼	Clip to attach 1248½ to 1262A, no cut..	10
1349	Hinge clip for wind guard, malleable..	15
	Support for wind guard arm, see cut...	30
1349½	Corner brace for wind guard.....	5
1349½	Middle " " " "	10
	Rye divider grain stick, inside.....	30
	" " " " outside.....	30
	Wind guard, complete, 5 ft. or 6 ft....	2 50
	" " only, 5 ft. or 6 ft.....	1 00

ADRIANCE BINDER—Continued





ADRIANCE BINDER—Continued

TILTING PARTS AND POLE CONNECTIONS

No.	Name.	Price.
1278	Pole Hinge Bracket, 1889 only	$ 0 75
1278A	" " since 1889	1 00
1278B	" "	1 00
1300	Tilting lever thumb latch	25
1301	" latch bolt, also for 1401	10
1333	Spiral spring for 1301, also for 1331	10
1302	Tilting lever socket	1 50
1302A	" "	1 50
1303	" handle	1 25
1304	" latch rod	15
1305	" rack	1 00
1306	Tilting rock shaft and arm	1 50
1306A	" "	1 50
1306B	" "	1 50
1306C	" "	1 50
1307	Box for tilting rock shaft	50
1308	Tilting lever link	30
1308A	" "	30
1309	Pole socket and hinge, 1889 only	2 00
1309A	" "	2 50
1309B	" "	2 50
1309D	" "	1 00
1309½	Pin for pole hinge 1309 or 1309A	25
1309¾	" " 1309A or 1309B	25
1309¾A	" " 1309D	25
1310	Pole brace, to bolt to side of pole	1 00
1310A	" to hook to 1350 on pole	75
1310B	" ⅜x47	75
1310C	" ⅝x47	75
1350	Eye for pole brace, on pole	30
1350A	" " "	30
1352	Tilter stud on pole	25

REEL, WITH SUPPORTING, DRIVING AND OPERATING PARTS

1311	Reel driving chain, 38 links	$ 1 50
1311A	" " 39 "	1 50
1311B	" " 40 "	1 50
1311½	Reel chain link, marked 34	05
1312	See grain feeder parts, etc., page 227	
1313	Sprocket wheel on reel shaft, 16 teeth	1 00
1313B	" " " 18 "	1 00
1313C	" " " 17 "	1 00
1314	Clutch on reel shaft	30
1315	Square couplings for reel pinions	40
1316	Washer for 1313 and 1321A	05
1316A	" 1318A, with oil opening	05
1317	Reel pinion, lower, with hub and thread, 1889 only	1 25
1317A	Reel pinion, lower, with clutch, since '89	75
1318	" " coupling fork	80
1318A	" " square hub	80
1319	Ring coupling for 1318, 1889 only	25
1320	Upright reel shaft, with fork, 1889	1 00
1320A	" " for couplings 1315	80
1320B	" " " 1315	80
1321	Reel pinion, sliding on 1320, 1889 only	60
1321A	" upper, with square hub	60
1322	Bevel wheel on reel shaft, 1889 only	1 00
1322A	" and sprocket wheel for reel	1 25
1323	Reel shaft, 1x15½	1 25
1324	" gear hanger, 1889 only	80
1325	Sleeve on square cross shaft, 1 in. long	25
1326	Reel chain tightener and brace	90
1327	" arm hub, for 5 ft. cut	1 50
1327A	" " " 6 "	1 50
1328	Swinging reel frame, 1889 only	1 60
1328A	" "	1 60
1328B	" "	1 60
1329	Square cross shaft, 40x$\frac{13}{16}$	80
1329A	" " 41x$\frac{13}{16}$	80
1329B	" " 42⅓x$\frac{13}{16}$	80

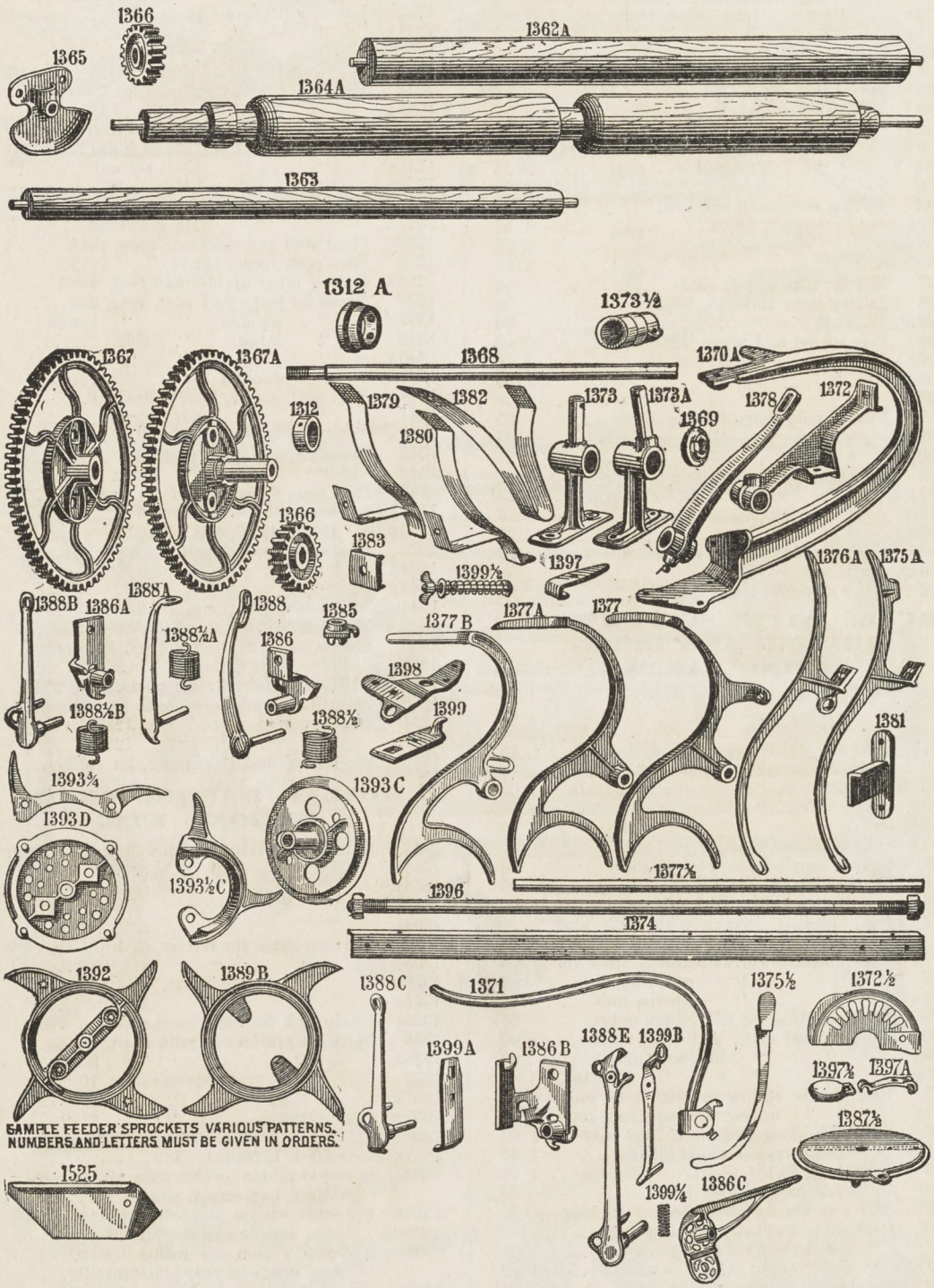
REEL, ETC., ETC.—Continued

No.	Name.	Price.
1330	Reel lever, on machines to No. 2681	$ 1 00
1330A	" " No. 2681 and up	1 00
1331	Latch bolt for reel lever 1330	30
1331A	" " " 1330A	30
1332	" case for reel lever	20
1333	Spiral spring for 1331 and 1331	10
1334	Reel lever ratchet or rack for 1330	80
1334A	" " " 1330A	80
1335	Shield for feeder gear, sheet iron	30
1336	Support for foot of 1341, 2 hole	25
1336A	" " 1341, see cut	15
1336B	" " 1341A "	5
1337	Cross shaft socket on 1338, 1889 only	40
1337A	" " with gear stud	1 50
1337B	Gear stud and sleeve on cross shaft	1 50
1338	Reel post, large, 1⅜x44	80
1288A	Post of inner divider and reel, wood	40
1339	Brace for large reel post, rear, flat	40
1339½	" wooden " " round	25
1340	" large " side	50
1340A	" " " "	50
1340B	" wooden " "	50
1341	Reel post, small, 1x39½, straight	60
1341	" " 1x39½, curved	60
1341A	" " 1x46½	60
1342	Brace for small reel post 1341	25
1342A	" " " 1341A	25
1343	Reel arm, 41 in. long, for 5 ft. cut	30
1343A	" 45¼ " " 5 "	30
1343B	" 49¾ " " 6 "	35
1344	Reel slat, wood, 6 used, " 5 "	20
1344A	" " 6 " " 5 "	20
1344B	" " 6 " " 5 "	20
1344C	" 63¾ in. long, " 6 "	20
1345	Triangle brace for reel slat	10
1346	Sleeve, on 1329, long, 2½ in., 1889 only	20
1347	" 1329, short, 1¾ in	15
1348 and 1349, see grain divider parts, page 223		
1350	See tilting and pole parts, 1st column.	
1351	Reel supporting bracket on 1288A	75
1351A	" " 1288A	75
1352	See tilting and pole parts, 1st column.	

ROLLER DRIVING CHAIN, PINIONS, ETC.

1354	Shield for driving chain, 1889 only	$ 0 50
1354A	" "	50
1854B	" "	50
1354C	" "	50
1354D	" "	50
1355	Driving chain for rollers, 57 links	2 25
1355A	" " 47 "	1 90
1355B	" for apron, 21 "	80
1355C	" " 19 "	75
1355½	Chain link for 1355, marked 51	05
1356	Sprocket pinion on crank shaft, 8 cogs	40
1356A	" " 8 "	40
1357	" on apron roller, 10 "	40
1357A	" " 10 "	40
1357B	" " 8 "	40
1358	" on clearance, and apron rollers, threaded, 1889	50
1358A	Sprocket pinion on clearance, and apron rollers, key seated, since 1889	50
1358B	Sprocket pinion on roller 1364A, 12 cogs, outside of rear platform sill	50
1358C	Sprocket pinion on roller 1364x, 12 cogs, inside of rear platform sill	50
1358D	Sprocket pinion, double on roller 1364B	80
1359	Chain tightener bracket	20
1360	" roller	10
1361	Stud for chain roller	10
1521	Shield over apron chain 1355B	25
1526	" driving " 1355A	25

ADRIANCE BINDER—Continued



ADRIANCE BINDER—Continued

ROLLERS FOR APRONS, ETC.

No.	Name.	Price.
1362	Apron roller, large, 3 inch, threaded shaft, 1889 only	$ 2 00
1362A	Apron roller, 3 inch, key seated shaft	2 00
1362B	" " 2⅝ " " " "	2 00
1363	" " small, 2 inch, grain end	1 25
1364	Clearance roller, threaded shaft, 1889	3 00
1364A	" " key seated shaft	3 00
1364C	" " for inside drive chain	3 00
1365	Bearing and shield for 1364 and 1364A	50
1366	Spur pinion on clearance roller	50

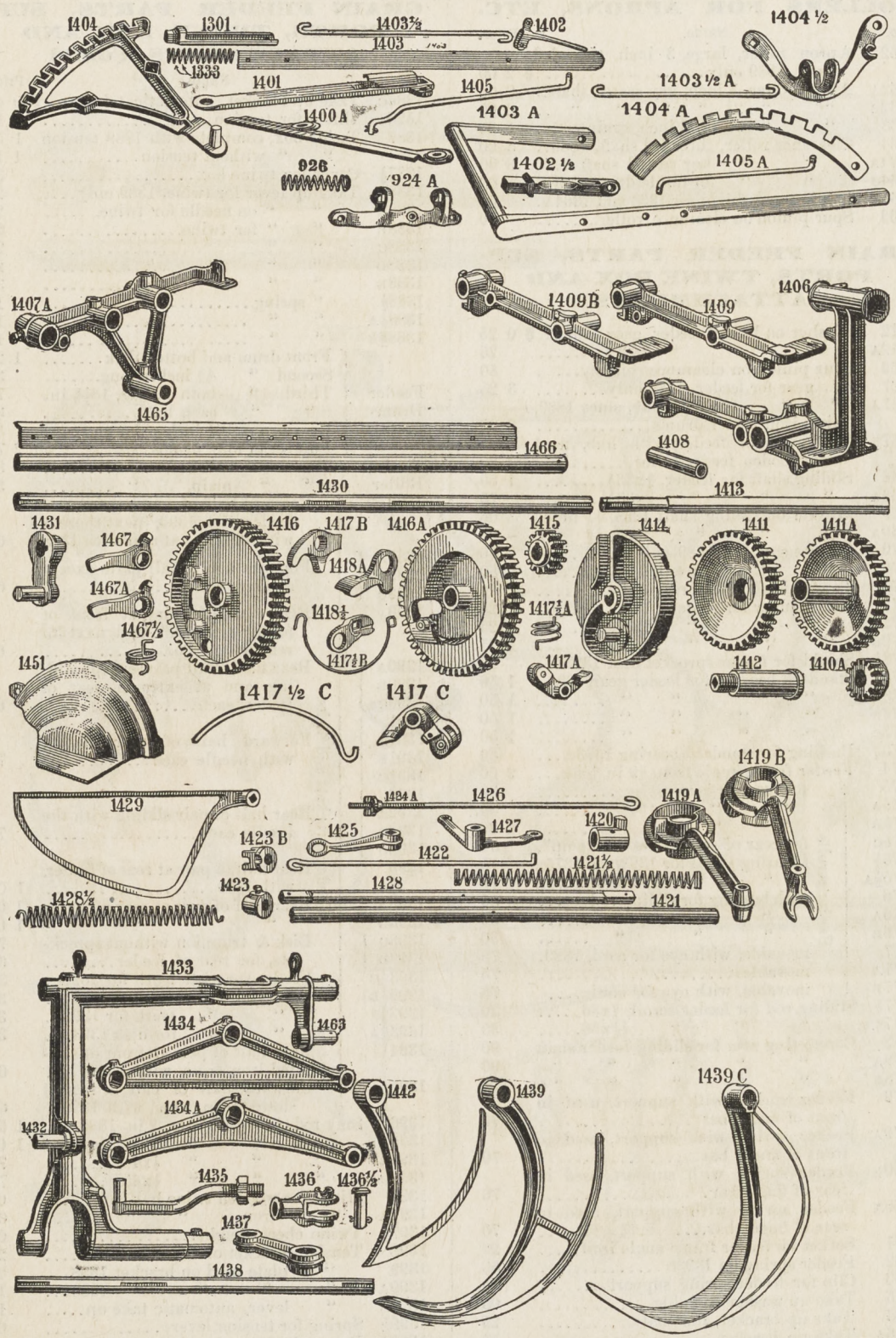
GRAIN FEEDER PARTS, SUPPORTS, TWINE BOX AND ATTACHMENTS

1312	Washer on hub of feeder gear 1367A	$ 0 25
1312A	" " " "	25
1366	Spur pinion on clearance roller	50
1367	" gear for feeder, 1889 only	3 25
1367A	" " " with hub, since 1889, with iron feeder drums	3 25
1367B	Spur gear for feeder, with hub, used with wooden feeder roller	3 25
1368	Sliding shaft for feeder, ⅝x33½	1 50
1368A	" " " ⅝x33½	75
1369	Washer on sliding shaft 1368, 11/16 hole	05
1369A	" " " 1368, 13/16 "	05
1370	C brace support, 1889 only	2 50
1370A	" " since 1889	2 50
1371	Top scroll for grain receptacle	60
1372	Rear hanger for feeder	1 25
1372A	" " "	1 25
1372B	" " "	1 25
1372½	Shield for feeder sprocket disk 1393D	25
1373	Standard bearing for feeder gear, '89	1 50
1373A	" " " "	1 50
1373B	" " " "	1 50
1373C	" " " "	1 50
1373½	Bushing for standard bearing 1373C	50
1374	Feeder frame angle iron, 49 in. long	2 00
1375	Feeder scrolls: for front or rear of set	30
1375A	" " "	30
1375B	" " "	30
1375C	for rear of set, carries "take up"	30
1375½	Clearing scroll for 1393C on 1375B	15
1375½A	" " 1393D on 1375B	15
1376	with bearing for sliding rod	30
1376A	" " "	30
1376B	" " "	30
1377	movable, with eye for cord, 1889	75
1377A	movable	75
1377B	movable, with eye for cord	75
1377½	Sliding rod for feeder scroll, ⅝x36	30
1377½A	" " " 11/16x36	30
1378	Connecting arm for sliding feeder shaft	90
1378A	" " " " "	90
1378B	" " " " "	90
1379	Feeder spring with support, used in front of finger bar	70
1379A	Feeder spring with support, used in front of finger bar	70
1380	Feeder spring with support, used in rear of finger bar	70
1380A	Feeder spring with support, used in rear of finger bar	70
1381	Socket for feeder frame angle iron	25
1382	Feeder spring on 1493C	50
1383	Clip for feeder spring support	10
1385	Take up washer with lug	05
1386	Take up bracket, 1889 only	25
1386A	Take up bracket	50
1386B	Take up brackets and tension plate	40

GRAIN FEEDER PARTS, SUPPORTS, TWINE BOX AND ATTACHMENTS—Cont'd

No.	Name.	Price.
1386C	Take up bracket, automatic take up	$ 0 40
1525	Shield for tension	10
1387	Twine box, complete with 1889 tension	1 50
	" " without tension	1 15
1387½	Cover for twine box	35
1388	Take up lever for twine, 1889 only	25
1388A	" " on needle for twine	25
1388B	" " for twine	25
1388C	" " "	25
1388D	" " "	25
1388E	" " "	30
1388½	" spring	10
1388½A	" "	10
1388½B	" "	10
Feeder Drums	Front drum and butter disk	1 25
	Second " 4⅝ inches long	30
	Third " both halves, 18 1/16 in.	70
	" " each half	35
	Rear drum, 16¼ inches long	50
	Full set of four drums	2 75
Feeder Roller	Two staves, notched, each	30
	" " plain, "	30
1389	Feeder sprockets and disks: Forward half of pairs at front of feeder with 1390; next thereto with 1394, and at rear with 1393	60
1389A, 1389B, 1389C	Forward half of all pairs except sliding, each	60
1390	Rear half of pairs at front of feeder with 1389, and next to rear with 1395	60
1390A, 1390B, 1390C	Rear half of all pairs except sliding and at extreme rear of feeder, each	60
1391, 1391A, 1391B, 1391C	Forward half of pair sliding with needle each	75
1392, 1392A, 1392B, 1392C	Rear half of pair sliding with the needle, each	75
1393	Rear half of pair at rear of feeder, with 1389	1 00
1393A	Rear half of pair at rear of feeder	1 00
1393B	" " " "	1 00
1393C, 1393D	Disk & trunnion without sprockets, for rear of feeder	75
1393½C	Feeder sprocket teeth for 1393C	60
1393½D	" " for disk 1393D	35
1393¾	" " teeth for 1393D	35
1393¾A	" " for disk 1393D	35
1394	Rear half of pair at front of slotted iron drum, with 1389	60
1395	Forward half of pair at rear of slotted iron drum, with 1390	60
1396	Stay rod through feeder, ¾ in. 1889	1 50
1396A	" " " ⅝ in.	1 00
1396B	" " " ½x46¼	75
1396C	" " " ½x45¾	75
1397	Hinge for wooden twine box cover	05
1397A	" " iron " "	05
1397½	Twine check weight	05
1398	Tension bracket on twine box	25
1399	" plate used on bracket 1398	05
1399A	" " " " 1386B	10
1399B	" lever, automatic take up	15
1399¼	Spring for tension lever	08
1399½	Bolt and spring for twine tension	10
	Automatic take up complete	1 15

ADRIANCE BINDER—Continued



ADRIANCE BINDER—Continued

BINDER SLIDING PARTS

No.	Name	Price.
1301	Latch bolt for 1401 and 1302	$ 0 10
1400A	Sliding Rails: At front of middle timber	40
1400B	" " right hand timber	40
1400C	At rear " middle timber	40
1400D	" " right hand timber	40
1400E	At front " right hand timber	40
1400F	At rear " " "	40
1401	Binder sliding lever socket	75
1333	Spiral spring for 1401, also for 1301	10
1402	Binder slidng lever latch	15
1402½	Latch bolt for 1403A	15
926	Spiral spring for 1402½	15
1403	Binder sliding lever handle	1 00
1403A	" " "	1 75
924A	Guide on lever 1403A	30
1403½	Latch rod for binder sliding lever	10
1403½A	" " " " "	10
1404	Binder sliding lever rack	80
1404A	" " "	70
1404½	Right hand bearing for 1403A	35
1405	Link, sliding lever to binder frame	30
1405A	" " " "	30

BINDER FRAME PARTS

1406	Cross bar and discharger fork post	$ 5 00
1407	" " hanger, 1889 only	4 25
1407A	" " "	4 25
1407B	" " "	4 25
1408	Brass bushing for 1407	75
1409	Front cross bar, 1889 only	2 50
1409A	" "	2 50
1409B	" "	2 50
1465	Binder frame angle bar	2 00
1466	" " round bar, 1¼x53½	2 50

BINDER GEARS, SHAFTS, ETC.

1410	Replaced by 1410A.	
1410A	Spur pinion on crank shaft	$ 0 60
1411	" gear on 1238, for brass hub	1 50
1411A	" " " cast hub, see 1411B	1 50
1411B	" " cross hanger 1238, will replace 1411A	1 50
1412	Brass hub for spur gear 1889 only	2 00
1413	Square sliding shaft, no pin in end	1 50
1413A	" " square 19½ in. long	1 50
1413B	" " " 16½ "	1 50
1414	Cam for side compressor, 1889 only	1 50
1414A	" "	1 50
1414B	" "	1 50
1414C	" "	1 50
1415	Spur pinion on square shaft 1413	60
1416	Binder spur gear, 1889 only	1 50
1416A	" "	1 50
1416B	" "	1 50
1417B	" driving pawl and spring, 1889	35
1417A	" " " with roller	50
1417C	" " " "	50
	Stud and roller for 1417A or 1417C	15
1417½B	Spring for 1417B, 1889 only	5
1417½A	Coil spring for 1417A	10
1417½C	Spring for 1417C	5
1418A	Binder driving pawl lifter, 1889 only	25
1418½	Support for pivot of 1418A	10
1430	Main shaft of binder, 1⅛x50¾	2 25

BINDER GEARS, SHAFTS, ETC. Continued

No.	Name.	Price.
1431	Crank arm with pin on 1430, 1889 only	$ 1 25
1431A	" " " since 1889.	1 25
1467	Binder back stop pawl	15
1467A	" "	15
1467B	" "	15
1467½	Spring for binder back stop pawls	10

BINDER TRIPPING PARTS AND CONNECTIONS

1419	Pawl controller disk and arm, 1889	$ 1 00
1419A	" " " "	1 00
1419B	" " " "	1 00
1419C	" " " "	1 00
1420	Cam collar on binder shaft, see 1420A	40
1420A	" " " with 1419C.	40
1421	Sliding rod for pawl controller, 29 in.	30
1421A	" " " 21 in.	30
1421½	Spiral spring on 1421	30
1422	Connecting link 1419 to 1427	15
1423	Collar on 1421 for spring	15
1423B	" trip rock shaft 1428, 1890 only	10
1424A	Thumb nut on trip adjusting rod	5
1425	Crank arm on trip rock shaft	20
1425A	" " "	20
1426	Trip adjusting rod	25
1427	Elbow lever for trip rod, 5x4½	25
1427A	" " " 5x5	25
1428	Trip rock shaft	40
1428½	Spring on trip rock shaft, 1890 only	30
1429	Binder trip, or bundle sizer	50
1430 to 1431A,	See binder gears, etc., first column.	
1451	Shield for pawl controller, held by key.	75
1451A	" " self-locking.	75

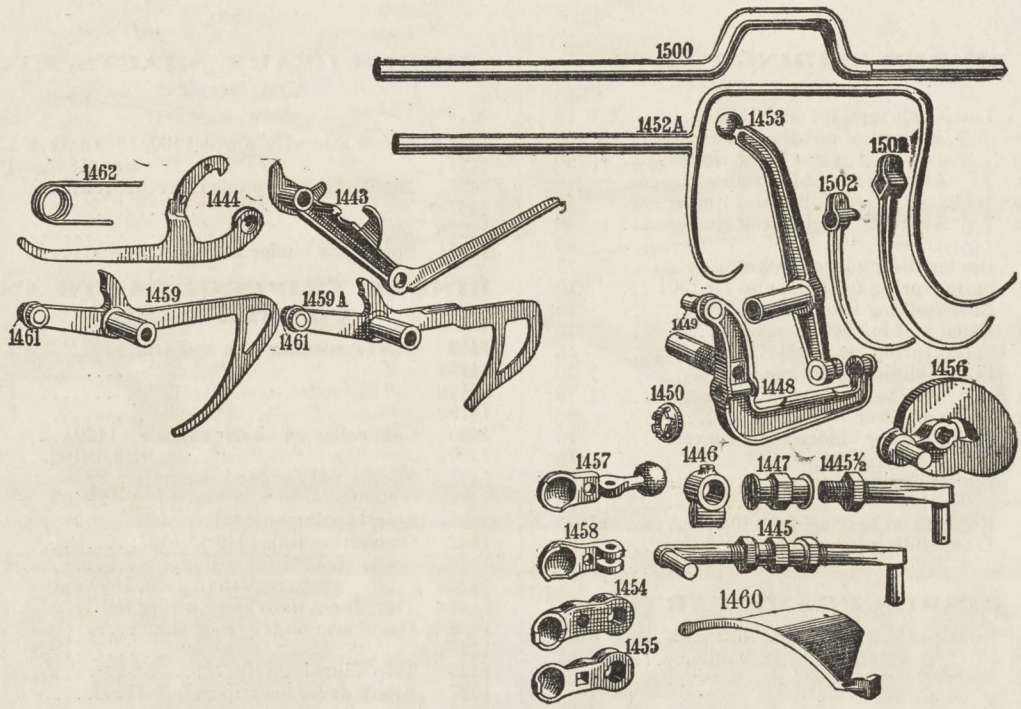
ROCKING BINDER POST WITH SHAFTS AND CONNECTIONS

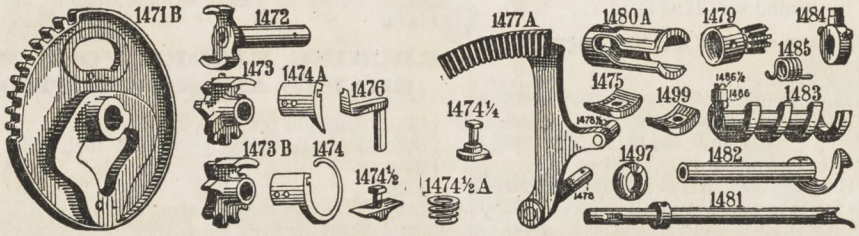
1432	Stud pin for 1433, 1⅛x3⅛	$ 0 75
1433	Rocking binder post, for 1 inch 1438	8 00
1433A	" " " 1 1/16 " 1438A.	8 00
1433B	" " " 1 1/16 " 1438A.	8 00
1434	Triangle rocking arm, 1889 only	1 50
1434A	Rocking arm, since 1889	1 50

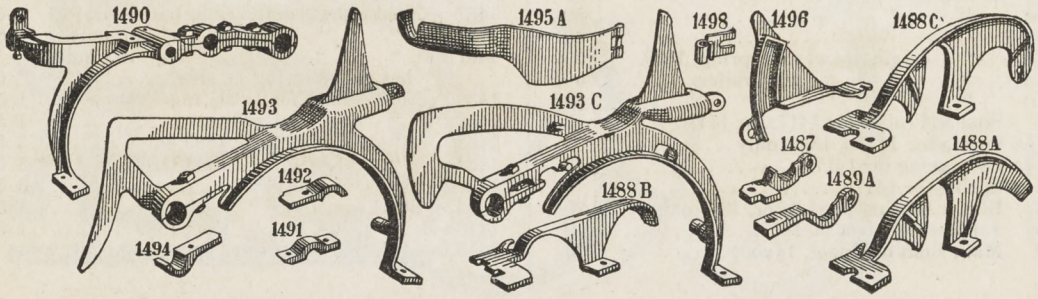
NEEDLE WITH SHAFTS AND CONNECTIONS

1435	Needle connecting rod, with nut	$ 0 80
1435A	" " " "	80
1436	Fork connection for 1434A and 1435	60
1436½	Pin for fork connection 1436	30
1437	Needle shaft crank arm, 1 in. hole, '89.	60
1437A	" " " " 1 1/16 in. hole	60
1437B	" " " " 1 1/16 in. hole, has a stop or lug on side	60
1438	Needle shaft for 1x29½ in., 1880 only	1 50
1438A	" " 1 1/16 x29½ in	1 50
1439	" 1 inch hole, 1889 only	3 50
1439A	" 1 1/16 in. " 1890 only	3 50
1439C	" 1 1/16 in. "	3 50
1442	Butt hook, 1 in. " 1889 only	1 50
1442A	" " 1 1/16 in. " since 1889	1 50
1443 to 1444,	See compressor parts, page 231.	

ADRIANCE BINDER—Continued







ADRIANCE BINDER

DISCHARGER FORK AND CONNECTIONS

No.	Name.	Price.
1445	Connecting rod for discharger fork, complete $1\frac{1}{16}$ inch ends, 1889	$ 2 00
1445A	Connecting rod for discharger fork, complete $\frac{3}{4}$ inch ends, since 1889	2 00
$1445\frac{1}{2}$	Connecting rod end, $1\frac{1}{16}$ inch end, 1891.	80
$1445\frac{1}{2}$A	" " " $\frac{3}{4}$ " turned ends. since 1889	90
1446	Box for 1445 and crrnk pin, $1\frac{1}{16}$ inch hole, 1889 only	40
1446A	Box for 1445 and crank pin, $\frac{3}{4}$ inch hole, since 1889	40
1447	Coupling for 1445	30
1448	Discharger fork rocking frame	2 75
1449	Crank pin for 1448, 1456, 1431 1431A, ea.	50
1450	Washer on rocking frame stud	5
1451	See binder tripping parts, etc., page 229	
1452	Discharger fork, 1889 only	3 50
1452A	" " single forging	3 50
1453	Fork controlling lever, ball end	2 00
1454	" " link, curved, pair	40
1455	" " " straight "	40
1456	Discharger cam and crank	2 00
1456A	" " "	2 00
1457	Fork controlling link, ball end, pair	40
1458	" " " forked, pair	25
1459 and 1459A	See compressor parts, etc., below	
1460	Shield over discharge cam	40
$1460\frac{1}{2}$	" on 1445, not on cut	5
1500	Discharger fork shank, replace 1452A	2 25
1501	Long tine for 1500 "	60
1502	Short tine for 1500 "	50

COMPRESSOR PARTS, ETC.

1443	Top compressor arm, long part	$ 1 00
1443A	" " " "	1 00
1443B	" " " "	1 00
1444	" " " short part	60
1444A	" " " "	60
1459	Side compressor, 1889 only	2 00
1459A	" " since 1889	2 00
1460	See discharger fork, etc., above	
1461	Side compressor stud and roller	25
1462	Top compressor spring	40
1463	Stud for top compressor $\frac{7}{8}$x$4\frac{1}{4}$ inches	50
1463A	" " " $\frac{7}{8}$x$3\frac{7}{8}$ "	50
1465 and 1466	See binder frame parts, page 229	
1467 to $1467\frac{1}{2}$	" gear, etc., page 229	

TYING DEVICE AND END HOLDER WITH DRIVING PARTS, ETC.

1471	Driving cam for Knotter, 1889 only	$ 1 50
1471A	" " "	1 50
1471B	" " "	1 50
1471C	" " "	1 50
1472	Fixed jaw of end holder	1 00
1473	End holder pinion, 1889 only	75
1473A	" " used with 1471A	75
1473B	" " " " 1471B	75
1473C	" "	75
1474	" clamp plate and spiral	75
1474A	" " " short horn	75
$1474\frac{1}{4}$	Clamp bolt and washer for 1474A	10
$1474\frac{1}{2}$	End holder grip spring, flat	15
$1474\frac{1}{2}$A	" " " spiral	15
1475	Washer on cam shell, 1480A	5
1476	Twine knife	50
1477	Knotter rack gear, complete, 1889	1 25

TYING DEVICE AND END HOLDER WITH DRIVING PARTS, ETC.

1477A	Knotter rack gear, complete, since 1889	$ 1 25
1478	" stud, large	25
$1478\frac{1}{2}$	" roller and stud	20
1479	Knotter pinion	50
1480	Cam shell for knotter, 1889 only	60
1480A	" " " since 1889	60
1481	Knotter shaft	50
1482	" spiral, with hook	4 50
1483	" " grooved	
	" " complete	
1484	Collar on shank of 1492	25
1485	Knotter spiral spring	15
1486	Roller on knotter spiral	10
$1486\frac{1}{2}$	Stud for roller 1486	10
1497	Washer on knotter rack stud	5
1499	" cam shell 1480A	5
	End holder, complete	3 50

KNOTTER FRAME, COVER, ETC.

1487	Spiral guide, upper	$ 0 25
1488B	" and needle slot side 1889 only	60
1488A	Needle slot side, 1890 only	60
1488C	" " "	65
1488D	" " "	60
1489	Spiral guide, lower, 1889 only	25
1489A	" " "	25
1490	Frame for knotter, complete, 1889 only	4 00
1490A	" " " see 1490B	4 00
1490B	" " will replace 1490A	4 00
1491	Cap over end holder shaft	20
1492	Holding clip on 1490	30
1493	Gear cover, and needle slot side, 1889	2 00
1493A	" " " "	2 00
1493C	" " " "	2 00
1493D	" " " "	2 00
1403E	" " " "	2 00
1494	Holding clip on 1493	25
1495	Knotter cover plate, 1889 only	40
1495A	" " " since 1889	40
1496	Guard for knotter rack gear, 1889 only	40
1496A	" " " " since 1889	40
1497	See tying device, etc., above	
1498	Hinge for knotter cover plate	5
1499	See tying device, etc., above	
1500 to 1502	See discharger fork, 1st column	
1521 and 1526	See roller driving chain, page 225	
1523	See gears, shafts, etc., page 221.	
1525	See grain feeder parts, page 227.	
1532 and 1533	See driving wheel and parts, page 221.	

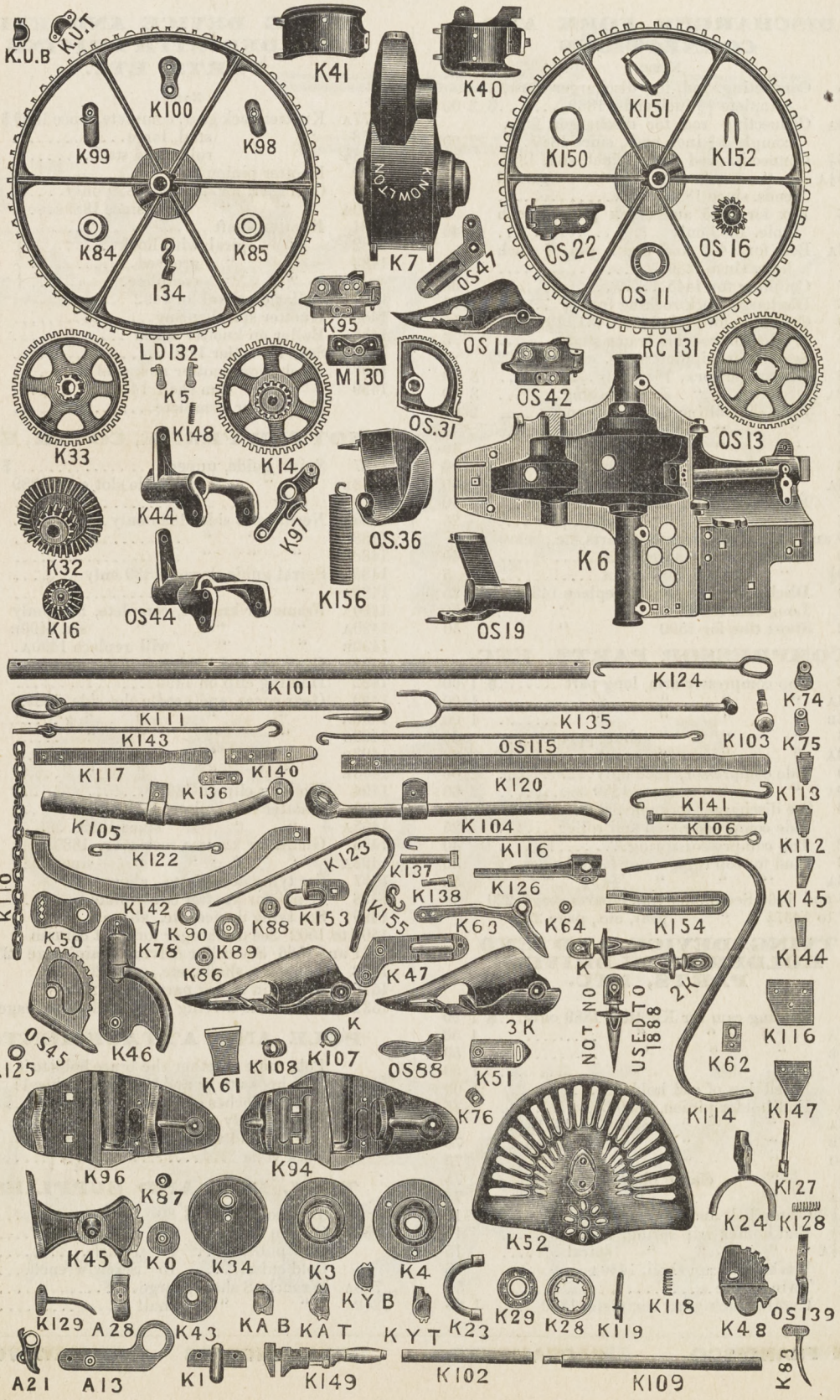
POLE AND ATTACHMENTS

Pole, state whether the brace bolts to it, or hooks to it; and length, whether 11 feet 6 inches or 12 feet 9 inches	$ 3 00
Evener, only	85
" and wiffletrees, complete	2 50
Neck yoke	1 50

TOOL BOX AND SUPPLIES

	Tool box	$ 80	Oil can	$ 25
752A	Oil can holder	20	Screw driver	20
	Key puller	05	Punch	15
	Cold chisel	15	Screw wrench	50
768A	Wrench, S shape, large			25
1252	" " small			15

KNOWLTON MOWER



KNOWLTON MOWER

No.	Name.	Price.
	Guard, not numbered, used up to 1888	$ 0 30
K	" used since 1887 on 4 foot, 3 in., 4 foot 6 inch and 5 foot mowers	30
2K	Guard used since 1887 on 6 ft. mowers	30
3K	Horn used on 6 foot only	2 00
K	" " 4 " 3 in., 4 foot 6 in. and 5 foot mowers	2 00
K 0	Track clearer stud and washer	10
K 1	Knife guide	20
K 3	Left pawl hub	1 00
K 4	Right pawl hub	1 00
K 5	Pawls, state if right or left	25
K 6	Main frame	15 00
K 7	Gear cover	4 00
K 14	Spur pinion wheel	3 00
K 16	Crank pinion	75
K 23	Shifter ring	30
K 24	Main Shifter	35
K 28	Shifter clutch	60
K 29	Clutch	60
K 32	Bevel gear	3 00
K 33	Clutch gear	3 00
K 34	Crank head	2 00
K 40	Bottom hood	75
K 41	Top hood	60
K 43	Grass wheel	30
K 44	Yoke, used since 1893	2 00
OS44	" to 1894	2 00
K 45	Raising lever quadrant	1 00
K 46	" " casting used to 1894	75
K 47	Tilting lever casting	50
K 48	" " quadrant	50
K 50	Track clearer plate	25
K 51	" " socket	25
K 52	Seat	2 00
K 61	Spring post tongue casting	20
K 62	" adjusting saddle and bolt	20
K 63	" L lever	1 00
K 64	" collar	15
K 74	Large oil cup caps	10
K 75	Small oil cup caps	10
K 76	Shifter bolt collar	10
K 78	Button for tilting lever	10
K 83	Raising lever thumb latch	15
K 84	4 inch main shaft collar	45
K 85	2 " " "	35
K 86	⅝ rd. hole raising L washer	10
K 87	Grass wheel thimble	10
K 88	⅝ sq. hole washer for shifter lever and quadrant	10
K 89	½ rd. hole tongue washer	10
K 90	" grass wheel washer	10
K 94	Sickle shoe for 4 foot 3 inch and 4 foot 6 inch and 5 foot	3 00
K 95	Sickle head guide	75
K 96	" shoe for 6 foot mower	3 00
K 97	Foot lift	1 00
K 98	Bottom tongue tip	10
K 99	Top tongue tip	10
K100	Tongue washer eye loop	10

No.	Name.	Price.
K 101	Main axle	$ 3 00
K 102	Back shaft	75
K 103	Pitman ball	1 00
K 104	Push bar	1 50
K 105	Drag bar	4 00
K 106	Sustaining spring T bolt	25
K 107	3 inch rear crank shaft bushing	75
K 108	3½ inch front " " "	75
K 109	Crank shaft	1 50
K 110	Raising lever chain used to 1894	25
K 111	Draw iron and link	1 00
K 112	1¼ inch sickle guard plate for guard, not numbered	05
K 113	1 inch sickle guard plate for K and 2K guards	05
K 114	Seat spring	1 50
K 115	Raising lever rod used to 1894	10
K 116	" " " " since 1893	10
K 117	Shifter lever	25
K 118	Tilting lever spring	05
K 119	" " pin	10
K 120	Iron raising lever, since 1893	75
K 120½	Tilting lever	50
K 122	" " rod	10
K 123	Grass iron	20
K 124	Tilting lever draw rod	30
K 125	Knife eye	15
K 126	" head	40
K 127	Raising lever pin used to 1894	10
K 128	" " spring used to 1894	05
K 129	Tilting lever thumb latch	15
M 130	Front guide on shoe	35
RC131	Right drive wheel used previous to 1894	6 00
LD132	Left drive wheel used previous to 1894	6 00
134	Singletree hook	10
K 135	Pitman rod without box	2 00
K 136	Malleable pitman rod plate	15
K 137	Long pin for K44	50
K 138	Short pin for K44	50
K 140	Shifter lever spring	15
K 141	Tilting lever thrust rod	20
K 142	Foot treadle	75
K 143	Cutter bar supporting rod and E bolt	50
K 144	Horn plate	10
K 145	Shoe plate	10
K 146	Blank sections	10
K 147	Sections	05
K 148	Pawl springs	05
K 149	Monkey wrench	75
K 150	End neck yoke rings	10
K 151	Center neck yoke rings	10
K 152	Neck yoke staple	05
K 153	Tongue brace and link	30
K 154	Sustaining spring support	30
K 155	" rod thumb nut	10
K 156	" spring	3 00
A	Pitman boxes, complete	50
A 13	Raising lever foot	50
A 21	" " latch	20
A 28	" " " cap	10

KNOWLTON MOWER—Continued.

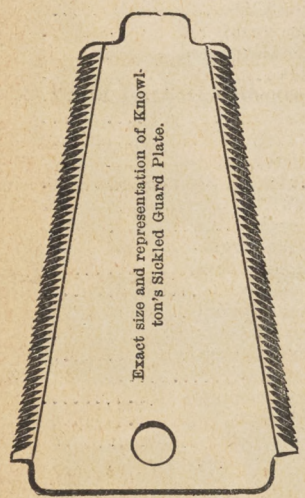
No.	Name.	Price.
A 68	Right pawl hub, use commenced in '94	$1 00
A 69	Left " " " "	1 00
A 70	Drive wheel, right or left, use commenced in 1894	6 00
A 71	Left pawl, use commenced in 1894	25
A 72	Right " " " "	25
OS 11	Old style clutch, 1883	50
OS 13	" " gear, 1883	2 00
OS 16	Crank pinion	50
OS 19	Yoke, 1883,	1 50
OS 22	Shoe guide, 1883	25
OS 31	Quadrant, 1882	75
OS. 36	Hood, 1883	75
OS 42	Guide for sickle head	50
OS 45	R. lever quadrant used to 1894	1 00
OS 47	Tilting lever casting	50
OS 88	Raising lever thumb latch, used to 1894	15
OS139	Lock hook spring	20
OS H	Horn	2 00
	4ft. 3 in. 16 guard cutter bars and O.S. shoe	18 00
	4ft. 6 in, 17 guard cutter bars and O.S. shoe	19 00
	5ft. 19 guard cutter bars and O.S shoes	21 00
	6 ft. 23 guard cutter bars and O.S. shoe	$25 00
	4 ft. 3 in. Finger bar only, drilled	5 00
	4 ft. 6 in. " " "	5 50
	5 ft. " " "	6 00
	6 ft. " " "	7 00

MISCELLANEOUS

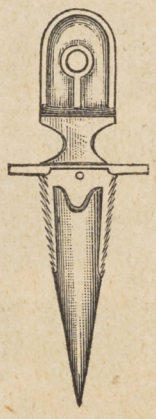
Oil can	$0 20
Section rivets, per lb	15
Neck yoke, complete	1 75
Track clearer divider board	60
" rod	30
Tongue, complete	3 00
Track clearer, complete	1 50
Singletree	1 00
Evener	1 00
Doubletree, complete	3 50
Pitman, complete	2 75
O.S. wood raising lever	50
Guard bolts, per doz	50
Punches	20
Chisels	20

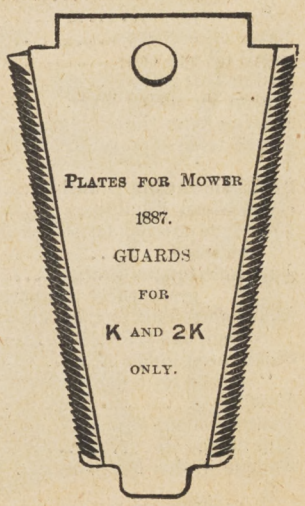
For Knives, see special list.

When ordering repairs for Knowlton Mower, give exact numbers or letters found on old casting. Order parts not numbered or lettered by catalogue number in list. When O. S. parts have been replaced by improved parts of the same number, the letter K has been added to number on casting. If casting has this letter, do not fail to state so when ordering. When ordering Knives give number of sections. Be particular to give number on Guards when ordering.



1¼ in. Used from 1883 to 1887





1 in.

CHAMPION MOWERS AND REAPERS

INSTRUCTIONS FOR ORDERING REPAIRS

Names of Machines.—The following are the names of the different styles sold on this Coast:—NEW, LIGHT, BALL JOINT, STEEL, NO. 4 and IMPROVED MOWERS; the COMBINED REAPER and MOWER, NO. 4; the SINGLE WHEEL and LIGHT REAPERS.

Castings.—Always give *number* or *number* and *letter* on old casting to be duplicated, and a description of same. When ordering parts not numbered or lettered accurately describe same, and send sketch or old part if it can be spared.

Sections.—All machines made in 1877 and before had sections three and one-half ($3\frac{1}{2}$) inches wide; since then, all sections have been three (3) inches wide, although varying in length and the punch of holes. The *New, Ball Joint* and *Steel Mowers* have been made since 1877, and all use the same section ($3x3\frac{5}{16}$). The *Light* and *No. 4*, made since 1877, use another section ($3x3\frac{1}{4}$), and this section is also used on the *Improved* mower up to 1894. In 1894, and since, the *Improved* mower has used the deep section ($3x3\frac{9}{16}$). The reapers made since 1877 use the same section ($3x3\frac{1}{4}$). When ordering, give size of section, or send paper sketch of same.

Guards.—Guards for machines using $3\frac{1}{2}$ inch sections have *three* rivet holes, and those for machines using 3 inch sections have two rivet holes. When ordering, state size of section on machine where they are to be used.

Pitman Rods.—Give length of rod, measuring from center of rod eye to center of box, and give size of pitman bolt used. If box is wanted with rod, give number of box.

Pitman Bolts.—Give number according to list. Rear cut machines use a bolt with right hand thread; front cut machines use a bolt with left hand thread. For rear cut machines, state if bolt is $\frac{1}{2}$ inch or $\frac{3}{8}$ inch.

Knife Heads.—Malleable heads are numbered. State number when ordering. When ordering wrought heads, state whether for $\frac{3}{8}$ in. or $\frac{1}{2}$ inch pitman bolt.

Knives.—Give *number* and *size* of sections, and state if smooth or bearded. Give number on head; if wrought head, give size of eye.

The cipher may be used in telegraphing.

CHAMPION MOWERS AND REAPERS TELEGRAPHIC CIPHER

No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.
7	Habitant	339	Eddy	509	Elegist	731	Harish
7½	Hack	340	Edifice	520	Fabric	732	Ambara
12	Haddock	341	Edge	523	Fabricate	733	Giblet
13	Haggard	342	Edgar	524	Fabulous	735	Gild
18	Habit	348	Edwin	527	Face	737	Employ
20	Emperor	349	Edify	530	Facial	738	Emigrate
24	Haggle	354	Edison	534	Faction	740	Gambier
25	Hag	358	Edinburg	539	Faint	741	Gambetta
26	Hair	359	Edina	541	Failure	742	Gambler
27	Half	362	Edgewood	546	Fair	743	Garden
30	Eagle	365	Eden	548	Fallen	A743	Gasp
31	Hail	366	Editress	549	Fallow	749	Gantlet
32	Halibut	366½	Educate	551	Elegy	750	Female
33	Halter	386	Edith	553	Famine	753	Amsden
35	Halo	387	Edward	554	Elemental	757	Garbage
36	Halser	398	Edulcorate	555	Famous	758	Elision
39	Ham	398½	Edulian	556	Fancy	759	Gang
52	Hamble	402	Edition	557	Father	760	Garter
53	Hame	403		558	Fawn	761	Fence
54	Hamlet	405	Efface	559	Fantom	762	Garner
55	Handy	412	Effable	563	Farce	763	Garrett
56	Hance	413	Effect	565	Farrow	768	Gash
69	Eagless	416	Effectible	567	Alisma	769	Gallop
72	Ably	417	Effection	568	Aliso	776	Festival
78	Eaglet	418	Effective	569	Alixis	778	Giggle
90	Handle	419	Effigy	573	Alkali	779	Gilder
91	Handsome	423	Efflux	579	Alloy	785	Game
92	Hang	425	Efforce	583	Elench	786	Gander
95	Earlap	426	Efform	586	Farthing	787	Gastric
96	Happen	428	Effront	587	Fashion	789	Gather
96½	Abound	433	Effuse	588	Falcon	792	Gaul
98	Harbor	434	Effusion	589	Farmer	793	Gavel
99	Harass	438	Effusive	590	Fast	794	
149	Earn	439	Effusiveness	591	Fatten	795	Geck
149½	Earnest	440	Effie	592	Fatigue	796	Gold
182	Ear	441	Ella	593	Fatty	913	Feast
182½	Easter	441½	Fool	597	Elastic	916	Elix
225	Easel	447	Elaborate	598	Elope	925	Ellinge
226	Easy	450	Eland	599	Elevate	928	Ellipse
233	Eager	453	Elder	684	Elevator	941	Elliptic
244	Earth	454	Elephant	700	Gabble	949	Fiddle
301	Eblis	455	Elaine	701	Gay	961	Fibber
305	Ebonist	459	Elamite	702	Gaiter	963	Elude
310	Ebriety	460	Elapse	703	Gaffle	970	Field
312	Ebony	461	Ellen	704	Gage	971	Fight
315	Echo	472	Elbow	709	Gaudy	976	Follow
316	Echameter	475	Elm	710	Gain	977	Energy
319	Eclat	478	Electro	716	Garment	980	Anthem
320	Eckert	479	Electrotype	718	Galaxy	981	Fillip
322	Eclipse	480	Electric	719	Galena	983	Filter
330	Economic	481	Electrify	720	Element	984	Filbert
331	Economy	482	Electrode	721	Galilee	985	Antras
333	Econte	484	Elegant	722	Gallant	990	Fish
336	Ectrotic	485	Elegance	723	Galley	991	Fisk
337	Editor	500	Fable	724	Gallipat	993	Fitness
338	Edder	501	Fairy	728	Eleven	994	Fit

CHAMPION MOWERS AND REAPERS TELEGRAPHIC CIPHER—Continued

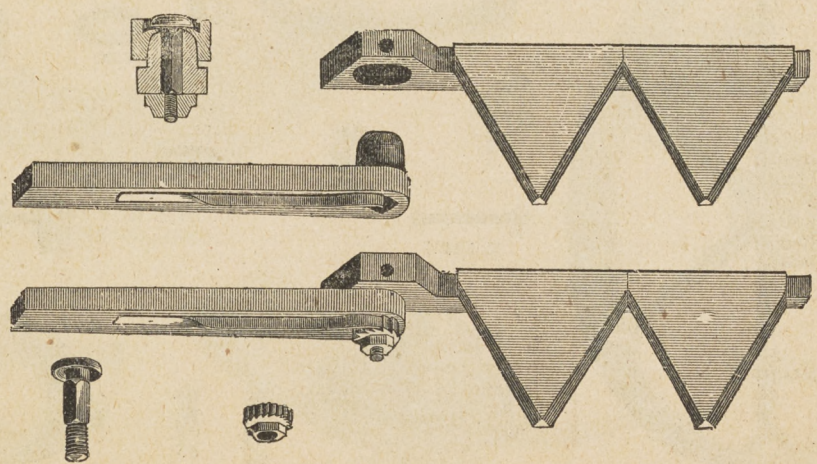
No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No of Part.	Telegraph Name.
995	Flag	A 75	Heaver	A181	Hatching	A 415	Blaze
997	Flake	A 75½	Hebrew	A183	Haughty	A 416	Blazing
A 1	Assent	A 76	Hector	A185	Hawthorn	A 417	Blear
A 3	Heaven	A 77	Holly	A186	Haybird	A 420	Blend
A 4	Assign	A 77½	Bareful	A187	Haystack	A 421	Blight
A 9	Emanate	A 78	High	A188	Hayward	A 422	Blink
A 10	Embark	A 79	Hilly	A189	Hazard	A 423	Bloat
A 11	Andar	A 80	Banta	A191	Haze	A 424	Blonde
A 12	Flannel	A 81	Bark	A192	Hazelnut	A 425	Bloom
A 13	Flavor	A 82	Barker	A196	Haziness	A 426	Blotch
A 14	Aunt	A 83	Hinge	A199	Hazy	A 427	Blower
A 15	Arbor	A 84	Fray	A281	Hayti	A 428	Blowsy
A 16	Arcade	A 85	Hive	A309	Elect	A 429	Blue
A 17	Artist	A 86	Hoard	A320	Golf	A 430	Bluff
A 18	Aztec	A 87	Hoarse	A321	Gondola	A 433	Humming
A 18½	Azalea	A 87½	Hoax	A322	Gorrilla	A 434	Hump
A 21	Barbara	A 88	Augur	A323	Goody	A 435	Hunch
A 23	Baboon	A 89	Astray	A324	Goose	A 436	Hunger
A 24	Babosa	A 90	Hobble	A325	Gopher	A 437	Hustling
A 25	Baby	A 91	Hock	A326	Gorgon	A 438	Hydrant
A 26	Baca	A 92	Hogget	A327	Gong	A 439	Hymn
A 27	Baceta	A 93	Hogpen	A328	Gorse	A 450	Blush
A 28	Embale	A 94	Hogshead	A329	Gospel	A 451	Boarding
A 29	Baden	A 95	Honey	A330	Gory	A 452	Boat
A 30	Badger	A 96	Hoist	A331	Gossip	A 453	Bobazo
A 31	Badian	A 97	Hood	A333	Goth	A 454	Bobbin
A 37	Badly	A 97½	Hold	A334	Gourd	A 455	Bobote
A 38	Baffle	A 98	Holiday	A336	Gout	A 456	Bobwig
A 41	Baker	A 99	Hollow	A337	Goblet	A 457	Bocado
A 42	Balade	A100	Harp	A338	Governor	A 458	Bocazo
A 43	Flax	A101		A339	Golden	A 459	Bocha
A 44	Embalm	A103	Harmony	A340	Grab	A 460	Bocina
A 45	Embank	A105	Harpoon	A343		A 461	Bocoy
A 46	Embargo	A107	Harm	A344	Harsh	A 462	Bodega
A 47	Bale	A109	Harrow	A346	Grasp	A1309	Elate
A 48	Balero	A110	Harry	A347	Grader	B 10	Embattle
A 49	Baleta	A111	Harnest	A348	Grade	B 10A	Embay
A 50	Balisa	A111½	Harshly	A350	Gracious	B 11	Gad
A 51	Head	A112	Harten	A351	Grading	B 12	Empale
A 52	Headache	A113	Hartshorn	A355	Grand	B 13	Flap
A 53	Header	A114	Harness	A358	Granny	B 16	Expire
A 54	Headway	A115	Haste	A359	Granted	B 17	Freak
A 57	Balon	A116	Hash	A374	Billow	B 19	Geology
A 58	Healing	A117	Hasty	A377	Bisel	B 28	Exodus
A 59	Baltic	A118	Hator	A400	Bison	B 31	Gigantic
A 64	Health	A120	Hateful	A402	Biting	B 36	Esteem
A 65	Heam	A121	Hawk	A403	Bitor	B 37	Eternal
A 67	Hear	A122	Haul	A404	Bitten	B 42	Exonerate
A 68	Hearken	A133	Happiness	A407	Blab	B 44	Geologer
A 69	Hearse	A145	Haunt	A408	Black	B 50	Hominy
A 70	Heart	A153	Haven	A409	Blame	B 51	Homage
A 71½	Heartily	A154	Havoc	A410	Blanca	B 52	Home
A 72	Herd	A159	Hagard	A411	Blanch	B 53	Homely
A 73	Heat	A177	Harmonize	A412	Bland	B 56	Honesty
A 73½	Heare	A178	Hassock	A413	Blason	B 57	Honied
A 74	Hen	A180	Hatchet	A414	Blast	B 58	Bridle

CHAMPION MOWERS AND REAPERS TELEGRAPHIC CIPHER—Continued

No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.
B 66	Embed	B398	Fraise	E34	Clever	G75	Frigid
B 68	Hopper	B399	Frame	E37	Greed	H 2	Employ
B 84	Freakish	B401	Cada	E38	Grill	H 3	Empower
B104	Eloquence	B402	Caddie	E40	Green	H 7	Emprise
B105	Elvin	B419	Framer	E44	Excavate	H 10	Emulsive
B111	Footless	B420	Franchise	E46	Clothing	H 13	Flea
B115	Forage	B421	Frangent	E49	Fretful	H 43	Dowry
B134	Forbear	B422	Frangible	F 4	Emma	H 44	Doxy
B135	Force	B423	Franion	F 9	Emperor	H 48	Draft
B143	Forceps	B437	Frank	F10	Empty	H 49	Drag
B208	Forcible	B439	Frankish	F20	Esurine	H 51	Dragon
B277	Forcipal	B441	Elytrine	F25	Front	H 52	Draining
B277½	Forcipally	B442	Franklin	F39	Exuberant	H 61	Drivel
B294	Foreign	B443	Frankly	F40	Cornet	H 66	Droll
B299	Forest	B444	Frantic	F41	Cosy	H 67	Dropsy
B350	Forfeit	B449	Caleta	F42	Almond	H 68	Drover
B351	Forge	B450	Calf	F42½	Alpine	H 69	Drudge
B352	Forgery	B470	Freeze	F43	Except	H 70	Drug
B353	Forky	B474	Frozen	F51	Freely	H 71	Druid
B354	Forlorn	B475	Fetlock	F62	French	H 72	Ducal
B355	Form	B476	Fuzzy	F63	Frenchify	H 73	Quack
B356	Formal	B477	Calk	F64	Frenatic	H 74	Quail
B357	Former	B478	Fly	F65	Frenzy	H 75	Quails
B358	Formula	B479	Flying	F66	Emphatic	H 76	Quaker
B359	Forray	B534	Calmly	F70	Frequence	H 80	Qualm
B361	Forrill	B535	Forzando	F70½	Frequency	H 83	Quarry
B362	Fort	B536	Frankfort	F71	Frequent	H 83½	Quartz
B363	Forth	B537	Cambio	F72	Frescade	H 84	Quaver
B364	Fortify	B550	Flute	F73	Fresco	H 86	Quay
B365	Fortifier	B551	Fife	F74	Fresh	H 87	Quelling
B365½	Fortitude	B553	Flutina	F76	Fresher	H 87½	Quench
B366	Burke	B565	Forgave	F77	Freshet	H 88	Query
B367	Fortlet	B600	Camden	F78	Freshly	H 89	Question
B368	Burst	B601	Camote	F79	Freshment	H 90	Quince
B369	Fortress	C 4	Canal	F80	Freshness	H 95	Quiver
B370	Fortunate	C 9	Ember	F81	Fret	H 99	Quorum
B373	Fortune	C10	Embezzle	F82	Fretful	H100	Quota
B374	Forward	C11	Gayety	F85	Fretter	H101	Quab
B378	Fossil	C12	Embillow	F86	Friable	H102	Quacha
B379	Foster	C17	Hurdle	F87	Friar	H102½	Quadrant
B380	Fount	C20	Escheat	F88	Friarly	H103	Quadric
B381	Fought	C81	Caseta	F89	Friation	H104	Quadrille
B382	Bypath	C85	Cash	F95	Fricassee	H105	Quadroon
B383	Foully	D10	Empire	G16	Grape	H106	Quaff
B384	Found	D11	Embody	G19	Graft	H107	Quagger
B385	Founder	D23	Expand	G31	Grant	H108	Quagmire
B388	Fountful	D28	Etch	G34	Hugger	H109	Quaintly
B389	Foxed	D78	Empire	G35	Granting	H110	Qualify
B390	Foxery	D91	Emicant	G38	Humor	H112	Quandary
B391	Fraction	D93	Empiric	G57	Depth	H113	Quantity
B392	Fracture	D96	Chives.	G58	Fried	H114	Quantum
B393	Fragile	E 9	Emotion	G58½	Friend	H115	Quarantine
B394	Fragrant	E10	Empale	G70	Frighten	H116	Quarrel
B395	Fragor	E26	Excise	G72	Horrible	H118	Quarter
B396	Fragrance	E32	Clerk	G73	Horror	H119	Quartette
B397	Frail	E33	Clero	G74	Frightful	H125	Quash

CHAMPION MOWERS AND REAPERS TELEGRAPHIC CIPHER—Continued

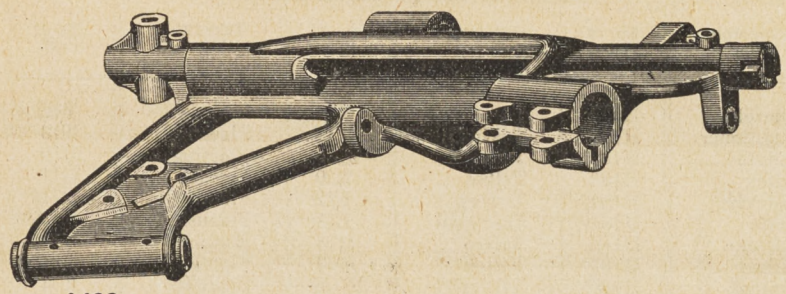
No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.	No. of Part.	Telegraph Name.
H126	Querelous	H180	Tainted	K11	Endless	T12	Foal
H127	Questioner	H181	Taking	K12	Fleece	T13	Foam
H129	Quibble	H182	Talamo	K13	Fleeting	U10	Ghost
H130	Quick	H183	Talbot	L 9	Encamp	U11	Foppish
H132	Quickly	H184	Tallent	L12	Fleming	U11½	Forbid
H133	Quilt	H185	Talesman	L13	Flemish	U12	Focal
H133½	Quinine	H186	Taligo	M 8	Endure	U13	Fodder
H135	Quinsy	H187	Talion	M13	Flonse	U81	Equate
H136	Quintal	H188	Tallow	N 8	Enchain	V 5	Equable
H145	Quiz	H189	Tallying	N 11	Fletcher	V11	Foe
H146	Quoit	H190	Talker	N 13	Envelope	V12	Fog
H148	Quotation	H191	Talking	N160	Huddle	W 5	Equalize
H149	Quotha	H192	Talmud	N162	Excelsior	W 7	Equator
H150	Tabard	H193	Tallon	O 8	Encloud	W10	General
H151	Tabby	H194	Talpa	O 9	Enrage	W11	Foil
H152	Tabian	I 2	Emigrate	O10	Gallows	W12	Equipage
H154	Tabid	I12	Fleam	O12	Flew	W94	Erunda
H155	Tablash	I13	Fleak	P 8	Engine	W95	Genial
H156	Tableau	I23	Grange	P11	Flexible	X 7	Equitan
H157	Tabling	I24½	Grapnel	Q 2	Enjoy	X 8	Equity
H158	Tablet	I28	Gripe	Q 9	Entrench	X 9	Equivocal
H159	Taboo	I30	Griffen	Q11	Flirt	X10	Gentle
H160	Tabulate	I50	Horn	Q11½	Flight	X11	Fowl
H161	Tabret	I51	Hornet	Q12	Flimsy	X12	Foison
H165	Tacano	I52	Horrify	R 8	Epicure	Y 9½	Erect
H166	Tachon	I53	Hospital	R10	Gown	Y10	Genuine
H167	Tacitly	I54	Hostile	R11	Flower	Y11	Foist
H168	Tax	I55	House	R12	Float	Z 7	Erection
H169	Tackle	J 9	Endow	R13	Flounce	Z 9	Erode
H171	Tactic	J11	Enact	S 8	Epistle	Z 11	Fold
H172	Tactile	J14	Gimp	S 9	Epact	Z 12	Errant
H175	Tadpole	J15	Eve	S10	Gauzy	Z 13	Etiquette
H176	Tagged	J16	Gingham	S11	Floor	Z 14	Fleam
H177	Taglia	J17	Excess	S12	Floorist	Z 17	Ethel
H178	Tagrag	J18	Eccentric	S13	Eparch	Z 19	Gibship
H179	Tail	K 8	Enactor	T10	Garelet	Z115½	Eroke
H179½	Tailoring	K10	Gayness	T11	Folder	Z116½	Evil



Above cut shows style of knife head and pitman hook on *rear cut* mowers and reapers.

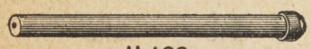
CHAMPION MOWERS AND REAPERS

MAIN FRAME AND PARTS.

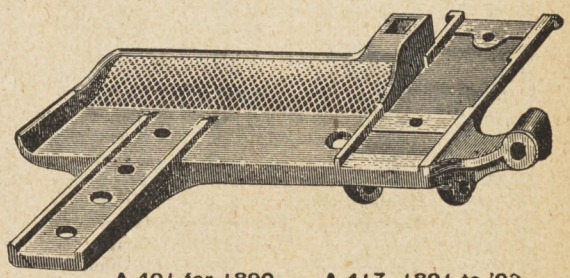


A400.

H 102½ for 1890.
H 133½ for 1891.



H 100

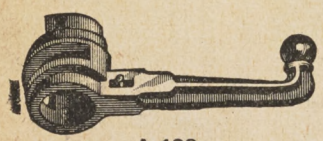


A 401 for 1890. A 417 1891 to '93.

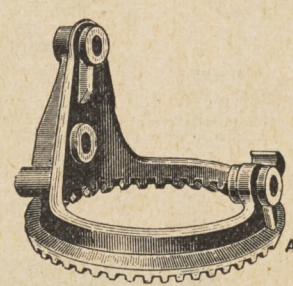
MAIN AXLE AND PARTS CONNECTED THEREWITH.

H 49

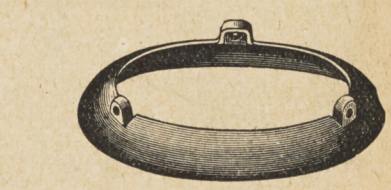
A 74



A 409



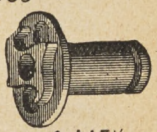
33



A 109

Z 128

A58

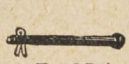


A 115½

A79

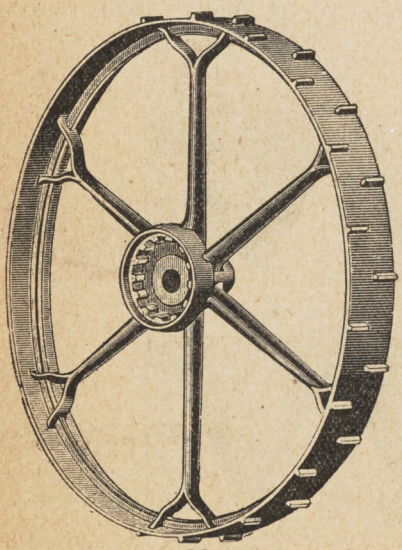
A65

A98

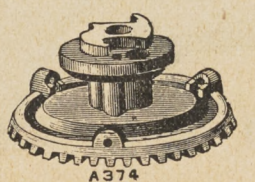


Z 127½

A 77½



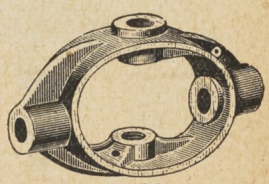
39



A374

A85

54 55



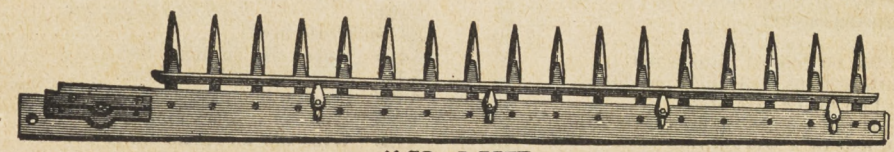
18

CHAMPION MOWERS AND REAPERS—Continued

FINGER BAR AND PARTS.

H 77. 5 FEET
H 91. 6 FEET

C 38. 5 FEET
H 95. 6 FEET
C 34. 4½ FEET



H 78. 5 FEET
H 92. 6 FEET

A 42

A 105. 5 FEET—1890
L 360. 4½ and 5 FEET—1891
H 112. 6 FEET—1890-91.

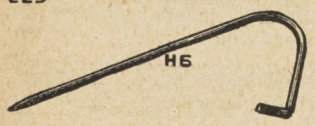
A 49. 5 FT.

99

E 29

H 44

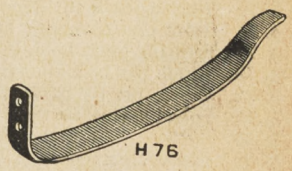
F 38



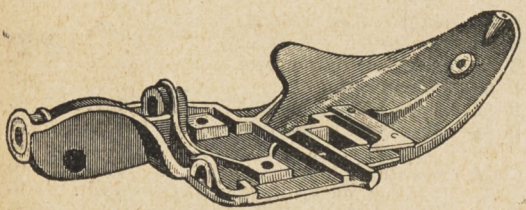
H 6

56

E 30

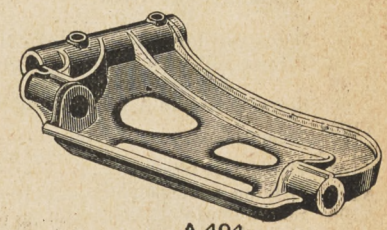


H 76

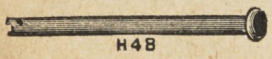


A 405 FOR 1890
A 410 FOR 1890

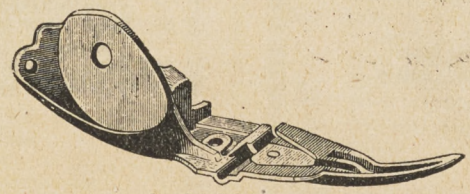
L 324



A 404



H 48



A 406 FOR 1890
A 411 FOR 1891

H 43

CHAMPION IMPROVED MOWER

No.	Name.	Price.
12	Socket for swath board	$ 0 75
13	" " " " handle	40
18	Gimbal joint ring	1 75
33	Ring gear	3 25
39	Main wheel, right or left	8 00
52	Draft rod hook	20
54	Left hand pawl for pawl flange	20
55	Right " " " axle gear	20
56	Front guide on shoe for knife head	30
95	Doubletree plate	60
96½	Tongue plate	80
99	Knife heel plate on finger bar	40
450	Seat spring ratchet	25
731	Seat	1 50
A 1	Lock nut on ends of pitman rod	05
A 16	Smooth sections, 3x3¼ inch, per dozen	60
A 42	Guard on finger bars, steel	40
A 50	Ratchet nut for A 96 pitman bolt	10
A 51	Latch bolt in A 409 shifting lever	15
A 52	Handle for H 88 connecting rod	25
A 54	Trunion for swath board	10
A 58	Washer on main axle	15
A 64	Lock nut for swath board bolt	15
A 65	" " " A77½ hook bolt	15
A 67	Hoisting lever, wood only, 4½ and 5 foot Machines	50
A 67½	Hoisting lever, complete, 5 ft. machines	1 25
A 72	Bushing in A 107 driving arm, ⅝ in. hole	35
A 74	Joint pin to connect 18 and 33	75
A 77½	Shifting lever hook bolt	80
A 79	Linch pin in main axle	15
A 82	Crank pin for balance wheel	75
A 85	Spiral spring for Nos. 54 and 55 pawls	10
A 86	" " in A 403	10
A 91	Connecting rod on A 67	30
A 92	Large bolt for A 107 driving arm	40
A 93	Small " " " "	30
A 94	Singletree hook, right	15
A 94½	" " left	15
A 95	Wrist ball for A 107 driving arm	75
A 96	Pitman bolt with A 50 ratchet nut	25
A 97	" rod complete	1 85
A 98	Spiral spring in A 409 shifting lever	10
A100 } A101 }	Pitman box	30
A103	Doubletree trunion	40
A107	Driving arm, complete	3 75
A109	Shield over axle gear	75
A115½	Pawl flange with recess for two pawls	1 50
A117	Bottom wearing iron on tongue	35
A118	Top " " "	30
A120	Clamp for neck yoke	50
A344	Sliding bolt on H 87 tilting lever	50
A351	Small wheel for A 412 outside shoe	75
A374	Axle gear only	2 50

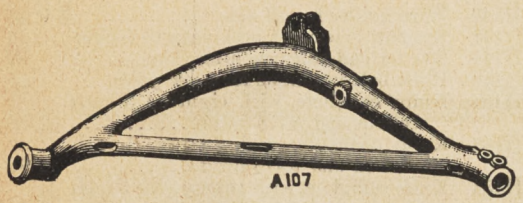
No.	Name.	Price.
A377	Socket washer for spring on H 89	$ 0 15
A400	Main frame	12 00
A402	Ratchet standard for tilting lever	2 25
A403	Hoisting lever socket	2 25
A404	Hinge for inside shoe	2 50
A407	Balance wheel, complete	3 75
A408	" " shaft box	2 50
A409	Shifting lever	1 75
A410	Inside shoe	4 50
A411	Outside shoe, fitted for steel runner	2 00
A412	" " " small wheel	2 00
A413	Upper clip on 4½ and 5 foot finger bar	15
A414	" " 6 foot finger bar	15
A415	Knife head	30
A416	Upper clip on finger bar	15
A417	Foot rest, 1891 machine	3 00
A422	Outside shoe, fitted for small wheel	2 00
A423	Wearing iron on tongue	10
A425	Wing nut for spring on H 181	10
A426	Cast iron seat	1 55
A427	Outside shoe	2 00
A428	Upper clip on 4½ and 5 foot finger bars	15
A429	" " 6 foot finger bar	15
A450	Main frame (foot lift machine)	12 00
A451	Ratchet standard for tilting lever	2 00
A452	Hoisting lever socket	2 00
A453	Hinge for inside shoe	2 25
A454	Pawl flange	1 00
A455	Foot rest	3 50
A456	Foot lift treadle	1 00
A457	Latch hook for foot lift treadle	35
A458	Socket for swath board and handle	50
A459	Doubletree plate and stop	35
A460	Tongue plate	60
A461	Sliding pin in A 460 tongue plate	25
A462	Spring bolt on tilting lever	50
B 38	Monkey wrench	75
B 40	Oil can	20
B 50	Latch bolt in A403 H. L. socket	35
B 52	Doubletree, complete	2 50
B 53	Swath board, complete	1 75
B 56	Pitman spring	15
B 57	Swath board handle	25
B 68	Handle for connecting rods on hoisting levers	35
C 4	Seat spring bolt	10
C 17	Bolt, nut and trunion for swath board	25
E 29	Bolt $\frac{9}{16}$x2⅜ to bolt shoes to finger bar	25
E 30	" $\frac{9}{16}$x1½ " " "	15
E 36	Spring for A344 sliding bolt	15
F 4	Pitman wrench	10
F 38	Steel plate on A405, A406 and A410 shoes	20
F 39½	Steel plate on A411 and A412 shoes	20
F 66	Ferrule for ends of neck yoke	15

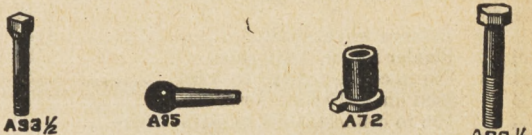
CHAMPION IMPROVED MOWER—Continued

No.	Name.	Price.
G 34	Angle rod to stay guards, 4½ ft.	$ 1 50
G 38	" " " 5 "	1 50
G 39	Balance wheel shaft	1 50
H 6	Fender rod on A410 shoe	30
H 43	Pin to connect A410 to A404	80
H 44	Stud on A410 shoe for L324	75
H 48	Pin to connect A404 to main frame	1 00
H 49	Main axle	3 50
H 61	Lock nut, to bolt A408 to main frame	10
H 76	Steel runner for A410 inside shoe	1 00
H 80	" " " A406 shoe	60
H 83	Hoisting lever, wood only, 6 ft	50
H 83½	" " complete, 6 ft	1 25
H 84	Connecting rod on H83 lever	30
H 86	Tilting crank in A402 standard	75
H 87	" lever, lever only	1 00
H 87½	" " complete	2 50
H 88	Connecting rod on H87 lever	25
H 89	Carrying link for large springs	90
H 90	Spring on H89, 6 ft. machine, No. 3 wire	1 25
H 95	Angle rod to stay guards, 6 ft. machine	1 50
H 99	Tongue with A117 and A118 wearing irons	2 50
H100	Pin to connect A417 foot rest to frame	35
H101	Tongue brace	1 25
H102	Spring hook for main frame	75
H102½	" " complete, with H103 spring	90
H103	" on H102 and H133 spring hooks	15
H104	Hoisting lever stud in A402 standard	75
H105	Tilting lever link	50
H106	Hoisting " "	50
H107	Draft rod	75
H108	Steel runner for A411 outside shoe	50
H109	Spring on H89 4½ ft. machine, No. 6 wire	1 25
H110	" H89, 5 ft. " No. 5 "	1 25
H112	Plate under No. 99 knife heel plate, 6 ft.	35
H113	Finger bar, drilled, bar only, 4½ ft. machines	6 00
H114	Finger bar, complete, less shoes, 4½ ft.	14 00
H115	" " with outside shoe, 4½ ft.	16 00
H117	Finger bar, drilled, bar only, 5 ft. machines	8 00
H118	Finger bar, complete, less shoes, 5 ft.	17 00
H119	" " with outside shoe, 5 ft.	21 00
H125	Finger bar, drilled, bar only, 6 ft. machines	9 00
H126	Finger bar, complete, less shoes, 6 ft.	24 00
H127	" " with outside shoes, 6 ft.	26 00
H129	Knife, complete, with eighteen 3 inch sections and A415 head	2 45
H130	Knife, complete, with twenty 3 inch sections and A415 head	2 65
H132	Knife, complete, with twenty-four 3 in. sections and A415 head	3 05
H133	Spring hook for main frame	75
H133½	" " complete, with H103 spring	90
	Parts from H135 to H194, inclusive, are for *Foot Lift* machines.	
H135	Stud in H179 tilting lever	05
H136	Key to key A159 gear to main axle	05
H145	Steel seat. See A426 for iron seat	1 50
H146	Wire holder for oil can	$ 0 20
H148	Eye bolt to connect neck yoke to tongue	10
H149	Eye for end rings on neck yoke	10
H150	Hook bolt in tongue for neck yoke	15
H151	Knife complete, with eighteen 3 inch sections and A415 head	2 50
H152	Knife complete, with twenty 3 inch sections and A415 head	2 70
H154	Knife complete, with twenty-four 3 inch sections and A415 head	3 15
H155	Smooth sections, 3x$\frac{9}{16}$	
H156	Finger bar, drilled bar only, 4½ ft. machines	6 00
H157	Finger bar, complete, less shoes, 4½ ft.	14 00
H158	" " " with outside shoe, 4½ ft.	16 00
H159	Finger bar, drilled bar only, 5 ft.	8 00
H160	" " complete, less shoes, 5 ft.	17 00
H161	" " " with outside shoe 5 ft.	21 00
H165	Finger bar, drilled bar only, 6 ft.	9 00
H166	" " complete, less shoes, 6 ft.	24 00
H167	" " " with outside shoe, 6 ft.	26 00
H168	Angle rod to stay guards, 4½ ft.	2 40
H169	" " " " 5 ft.	1 50
H171	" " " " 6 ft.	1 50
H172	Steel plate on outside shoe	20
H175	Tongue	2 50
H176	Doubletree bar only	50
H177	Doubletrees complete	2 50
H178	Draft rod	60
H179	Tilting lever only	75
H179½	" " complete	1 75
H180	Pin to connect foot rest to main frame	20
H181	Carrying rod only	60
H182	Link to connecting treadle to main frame	25
H183	Pin for A457 latch hook	10
H184	Spring on A457 latch hook	15
H185	Connecting rod on tilting lever	10
H186	" link from tilting lever to hinge	30
H187	Main axle	3 50
H188	Stud for L324 support for steel runner	30
H189	Pin to connect inside shoe to hinge	50
H190	Swath board only	50
H191	" " complete	1 75
H192	" " handle	25
H193	Hoisting lever only	50
H194	" " complete	1 25
L 296	Cap on H89 carrying link	10
L 309	Handle on H89 carrying link	25
L 322	Carrying wheel for inside shoe	75
L 324	Support on inside shoe for steel runner	50
L 360	Plate under No. 99 knife heel plate, 4½ and 5 ft. machines	35
N 161	Neck yoke complete	1 50
N 162	Singletree complete	75
N 627	Neck yoke	1 50
Z 12	Seat spring with No. 450 ratchet	2 25
Z 118	Punch	20
Z 119	Cold chisel	20
Z 127½	Pin to secure A115½ to main axle	25
Z 128	Steel washer, $2\frac{5}{8}$x$1\frac{29}{64}$, on main axle	15

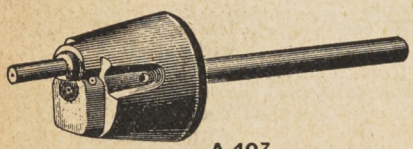
CHAMPION IMPROVED MOWER

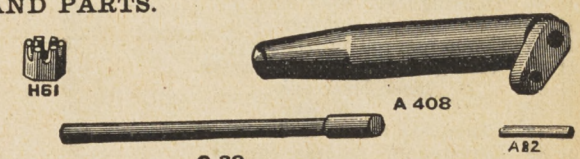
A 107 AND PARTS.





A 407 AND PARTS.

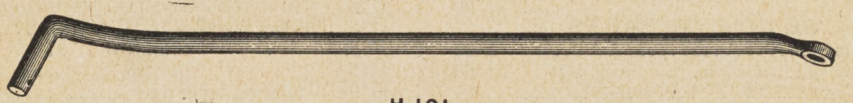


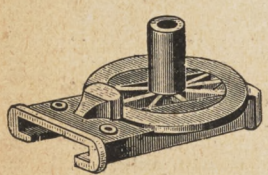


PITMAN ROD, KNIVES AND PARTS.

C 27. 5 FEET—1890
H 82. 6 FEET—1891

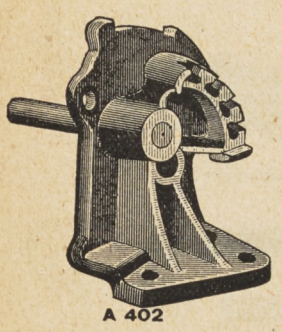
PARTS FOR TONGUE, DOUBLE-TREE AND NECK YOKE.

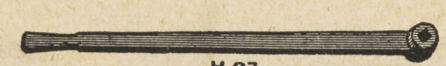


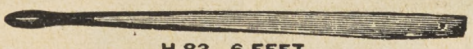


CHAMPION IMPROVED MOWER—Continued

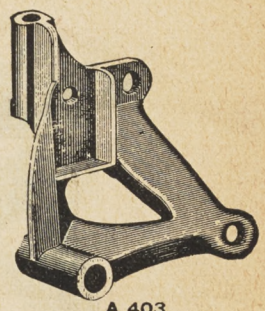
A 402 AND A 403 AND PARTS.


A 402

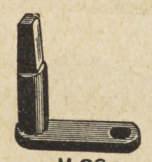

H 87


H 83. 6 FEET
A 67. 4½ & 5 FEET

H 84. 6 FEET
A 91. 4½ & 5 FEET

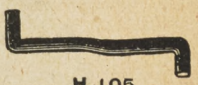

A 403

B64


H 86

B50

A52

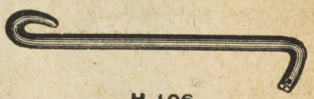

H 105

E36

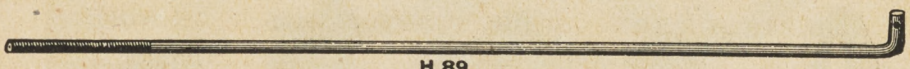
A86

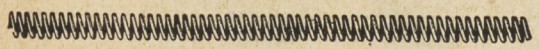
H 88

A344


H 106

H 89 AND PARTS.


H 89


H 109. 4½ FEET
H 110. 5 FEET
H 90. 6 FEET

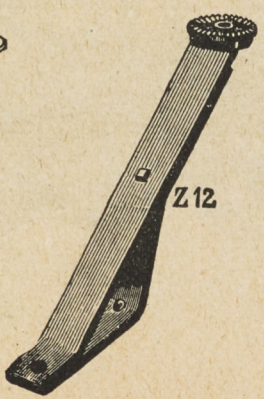
L 296

A 377

L 309

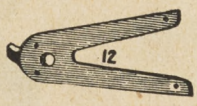
SEAT AND PARTS.

Z31


Z12

450

PARTS FOR SWATH BOARD.

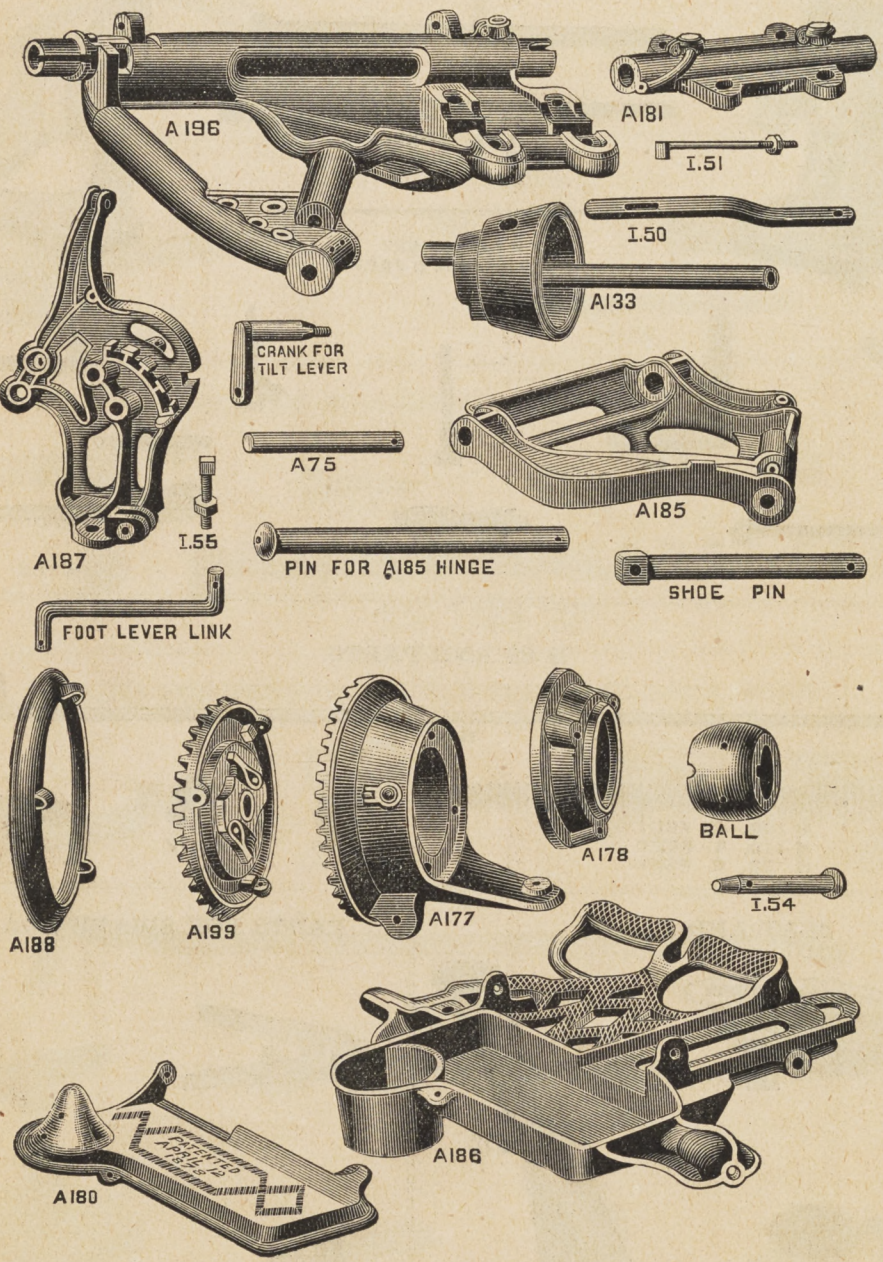

12

13

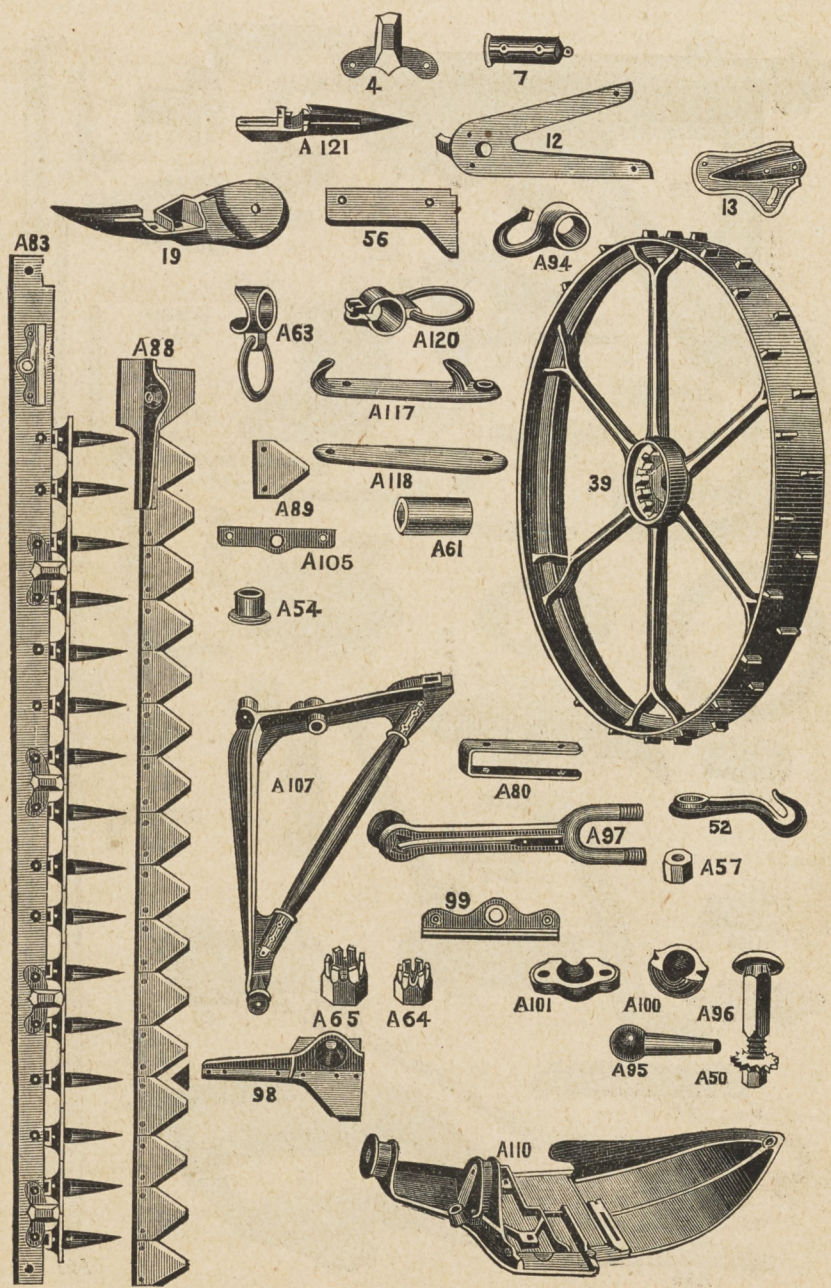
A54

A64

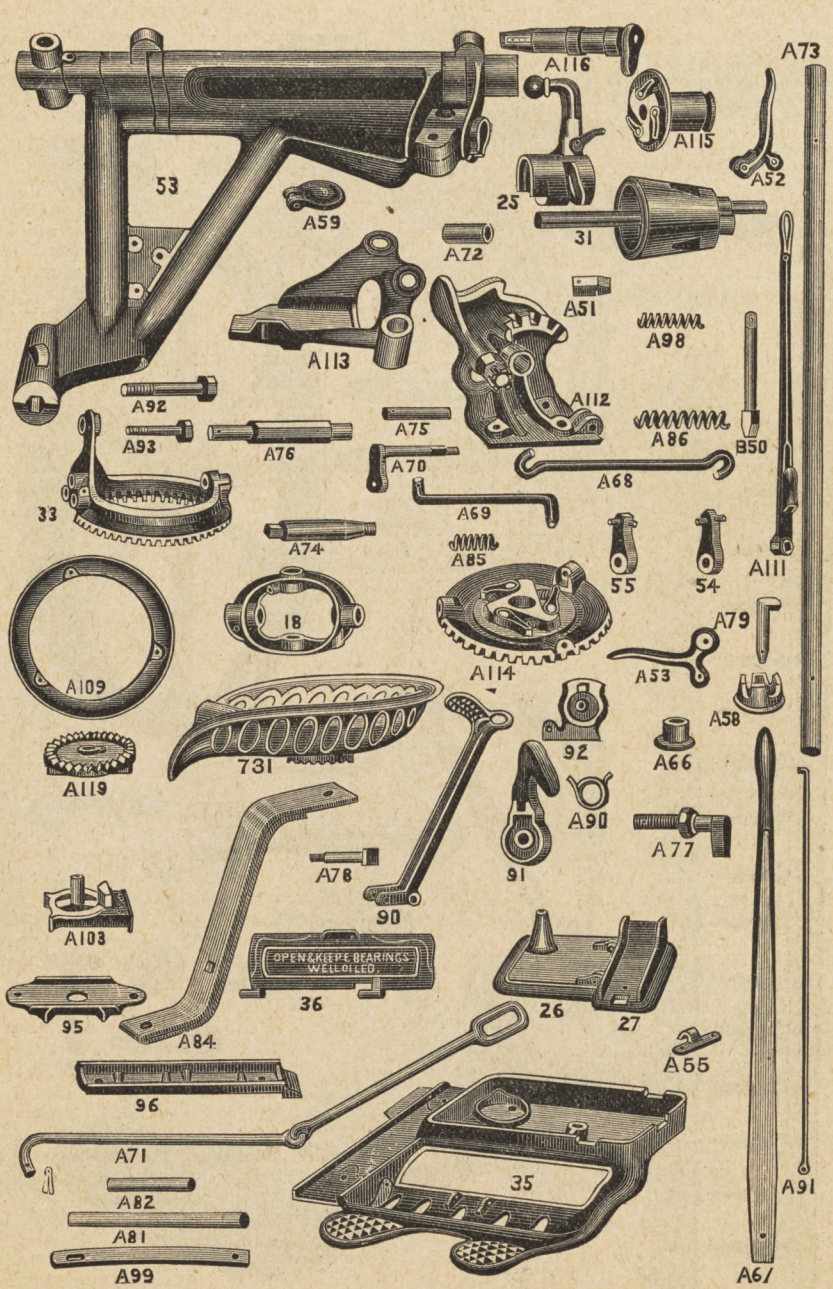
CHAMPION NEW AND BALL JOINT MOWERS



CHAMPION NEW AND BALL JOINT MOWERS—Continued



CHAMPION NEW AND BALL JOINT MOWERS—Continued

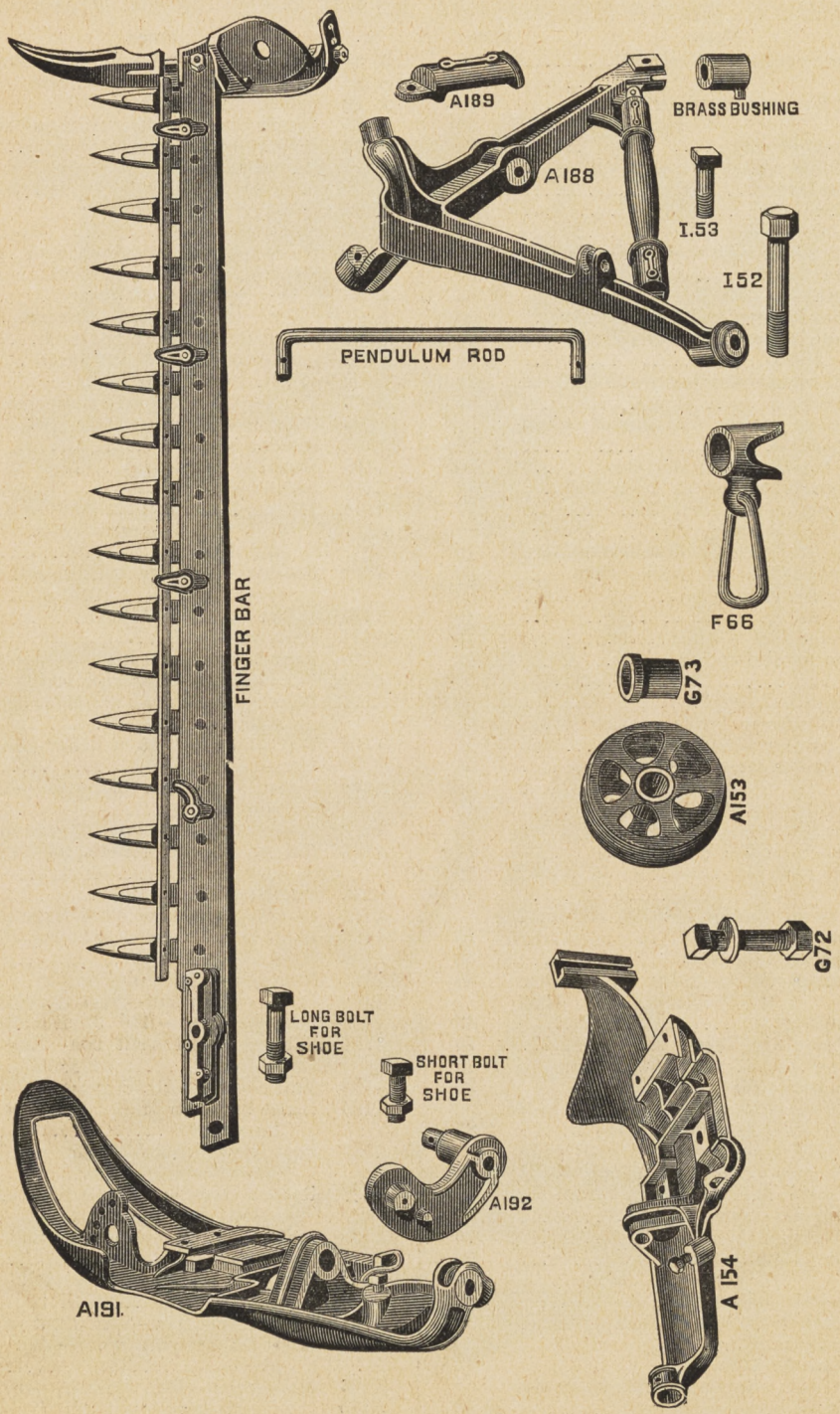


CHAMPION NEW AND BALL JOINT MOWERS

No.	Name.	Price.
7	Cap for wooden brace of A107	$ 0 20
7½	" " " " A107	20
12	Socket for track board and shoe	75
13	" " " handle	40
18	Gimble joint ring	1 75
24	Pawl flange socket for hub coupling	1 50
25	Shifting lever	1 75
26	Tool box cover	50
27	Socket or base for seat	75
31	Balance wheel with shaft and wrist pin	2 75
32	Main axle gear	2 50
33	Ring gear for connecting driving arm	3 25
35	Cast iron foot rest and tongue socket	4 00
36	Foot rest and cover for fly wheel	50
39	Master wheel	8 00
52	Hook to connect doubletree and draft rod	20
53	Main frame	9 00
54	Left hand pawl, for master wheel coupling	20
55	Right hand pawl for axle gear	20
56	Front guide on shoe for knife heel	30
90	Foot lever	75
91	Latch for foot lever	20
92	Trunion for latch for foot lever	10
95	Doubletree plate for trunion slide	60
96	Tongue plate or slide	80
98	Knife head	30
99	Plate over heel of knife	40
450	Ratchet for seat spring	25
731	Seat	1 50
A 41	Wrought iron guard	40
A100	And 101 pitman box, complete	30
A 51	Latch bolt for shifting lever	15
A 52	" handle for tilting lever	25
A 53	" " " lifting "	25
A 54	Trunion for track board and shoe	10
A 55	Clip for lifting lever and connecting rod	10
A 58	Washer for master wheel	15
A 64	9/16 Hex. lock nut	10
A 65	¾ " "	10
A 66	Thimble for wooden hoisting and latch handle	10
A 67	Wooden hoisting lever	50
A 68	Connecting rod, for lifting lever & shoe	40
A 69	" " " tilting " shoe coupling	40
A 70	Crank for tilting lever	75
A 71½	Draft rod	75
A 72	Brass bushing for driving arm	35
A 73	Main axle shaft, to be used with axle gear A114 pawl flange A115	3 25
A 73½	Main axle shaft, to be used with main axle gear 32 and pawl flange No. 24	3 25
A 3	Steel main axle shaft with collar, for A159 axle gear	3 50
A 74	Universal joint pin	75
A 75	Stud for lifting lever	50
A 75½	" " " "	50
A 76	Hex. pin to connect large shoe	1 00
A 77	Adjustable hook bolt for shifting lever	80
A 78	Foot lever bolt	30
A 79	Linch pin for axle	15
A 83	Finger bar complete, with guards and outside shoe riveted on	18 00

No.	Name.	Price.
A 84	Seat spring, same as for light reaper	$ 2 25
A 85	Spawl spring for hub coupling	10
A 86	Spring for latch bolt B50	10
A 87	Finger bar without guards and shoes	6 50
A 90	Spring for latch for foot lever	10
A 91	Connecting rod for latch and handle	20
A 92	Large bolt for driving arm and ring gear	40
A 93	Small " " " "	30
A 94	Singletree hook	15
A 95	Wrist ball pin for driving arm	75
A 96	Pitman bolt with ratchet nut	15
A 97	" rod without box	1 50
A 97½	" " complete with box	1 85
A 98	Spring for shifting lever latch	5
A 99	Connecting link for foot lever	40
A100 and 101,	Pitman box	30
A103	Trunion for doubletree or tongue plate	40
A105	Plate or slide under knife heel	35
A107	Driving arm	3 75
A109	Shield or gear cover	75
A110	Large inside shoe	4 50
A111	Tilting lever, without latch or handle	1 00
A111½	" " complete with handle and latch	1 50
A112	Ratchet stand for hoisting and tilting lever	2 25
A113	Socket for lifting lever	1 50
A114	Main axle gear	2 50
A115	Pawl flange socket for hub coupling	1 50
A116	Box or sleeve for balance wheel shaft	1 25
A117	Bottom plate for end of tongue and neck yoke	35
A118	Top plate for end of tongue and neck yoke	30
A120	Clamp for center of nock yoke and tongue ring	50
A122	Overshoe or runner for outside shoe	75
A133	Balance wheel, complete, for Ball Joint mower	2 75
A145	Outside shoe	2 00
A153	Carrying wheel for A154 large shoe	1 00
A154	Large inside shoe for carrying wheel	5 50
A159	Main axle gear	2 50
A177	Ring gear—Ball Joint mower	3 50
A178	Inside cap for ball—Ball Joint mower	75
A180	Tool box cover—Ball Joint mower	1 00
A181	Balance wheel shaft box—Ball Joint mower	2 00
A183	Gear cover—Ball Joint mower	75
A185	Hinge for main frame and shoe—Ball Joint mower	2 50
A186	Foot rest and tongue socket—Ball Joint mower	4 50
A187	Ratchet stand bracket for hoisting lever —Ball Joint mower	2 50
A188	Driving arms, complete—Ball Joint mower	3 50
A189	Caps for driving arms—Ball Joint mower	20
A191	Large inside shoe—Ball Joint mower	5 75
A192	Arm for carrying wheel—Ball Joint mower	50
A196	Main frame—Ball Joint mower	9 00
A199	" axle gear " "	2 50

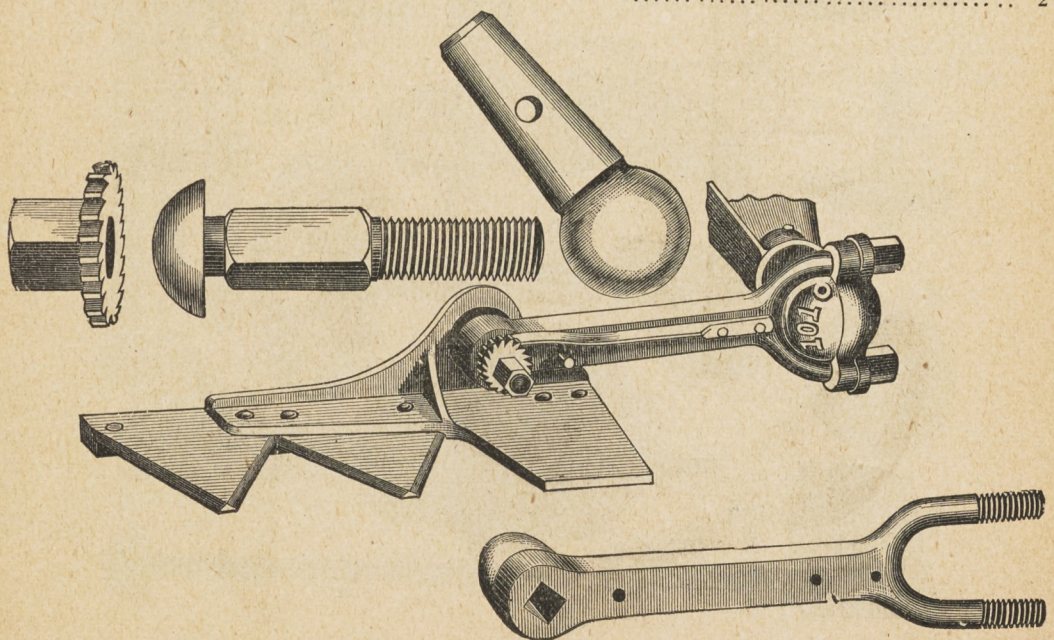
CHAMPION NEW AND BALL JOINT MOWERS



CHAMPION NEW AND BALL JOINT MOWERS—Continued

No.	Name.	Price.
B 50	Spring latch for hoisting and tilting lever	$0 35
B 51	Tongue, no irons	2 50
B 52	Doubletrees, complete	2 50
B 53	Swathboard, "	1 75
B 56	Pitman springs	15
B 57	Track board stick	25
B 58½	Runner for outside shoe	40
B 68	Latch handle for lifting lever	35
F 4	Pitman wrench	10
F 66	Eye ferrule for end of neck yoke	15
G 72	Bolt, nut and washer, for spindle for carrying wheel, A153	15
G 73	Spindle for carrying wheel, A153	50
I 50	Foot lever link	20
I 51	Hook bolt to connect ball and main frame	20
I 52	Long bolt for ring gear, $4 \times \frac{3}{4}$	25
I 53	Short " " $2\frac{1}{2} \times \frac{9}{16}$	15
I 54	Pin for foot rest and main frame, $3\frac{7}{8} \times \frac{5}{8}$	10
I 55	Set screw for (A187) ratchet stand	15
N160	Neck yoke complete	1 50
N162	Singletree	75

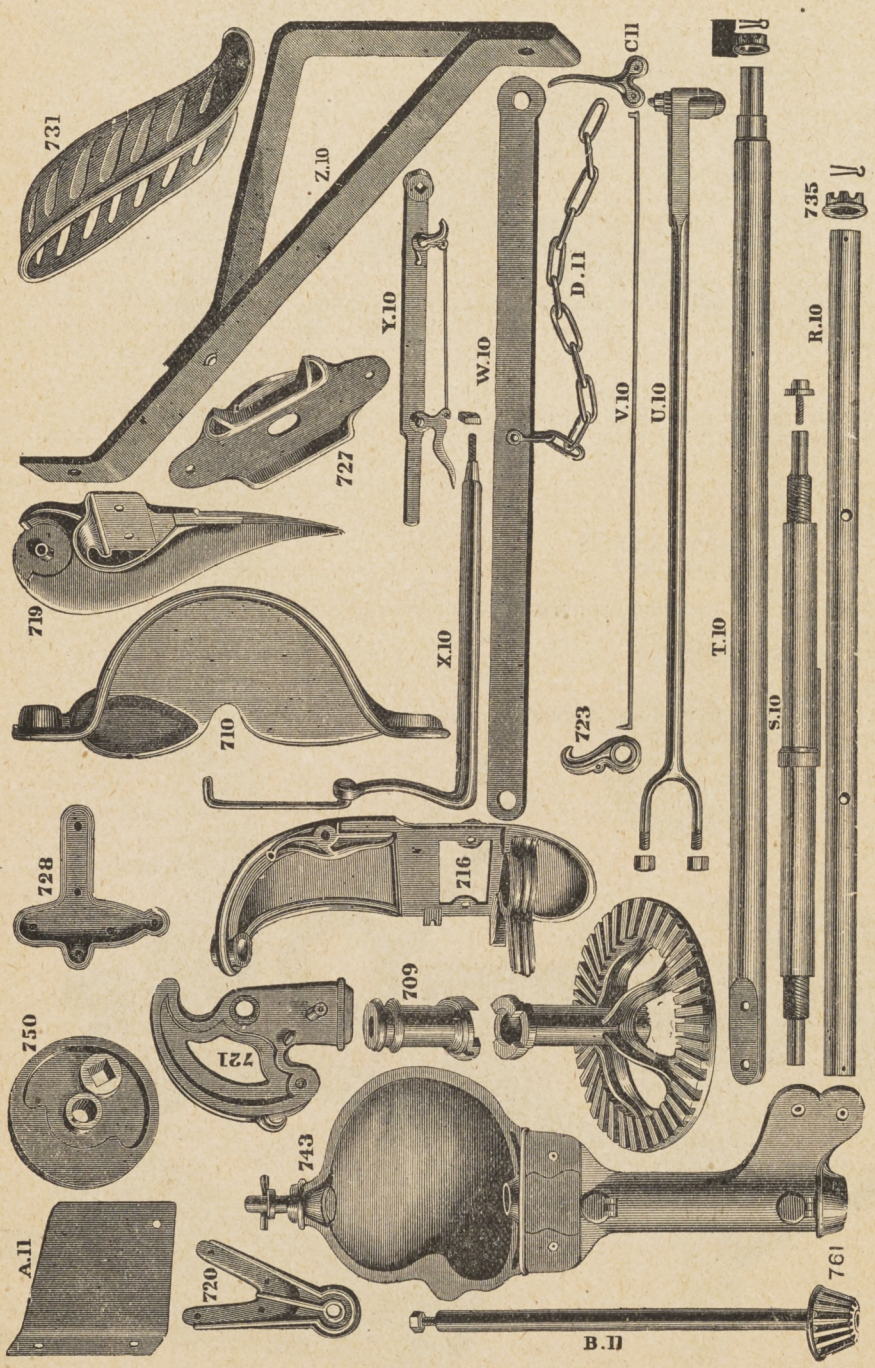
Tel. Name.	Name.	Price
Hovel	Ball for ring gear, Ball Joint	$ 1 50
Howl	Brass bushing for driving arm, Ball Joint	35
Huffy	Crank for tilting lever, "	75
Huge	Long bolt for shoe, $2\frac{3}{8} \times \frac{9}{16}$, "	25
Humble	Hook for tilting lever, "	40
Hurl	Knife supports, upper, "	15
Hurry	" near knife heel "	15
Hugger	Nail rod, planed and drilled "	1 50
Humbug	Pendulum rod, "	30
Hurrah	Pins for (A185) hinge and main frame, Ball Joint	75
Human	Short bolt for shoe, $1\frac{1}{2} \times \frac{9}{16}$, "	15
Hurtful	Stud for lifting lever, "	50
Husher	Shoe pin, "	80
Huzza	Short steel pin, with key, "	15
Hurdle	Track clearer bolt, with lock nut and trunion, ball joint	25
Hyacinth	Tongue, without irons, "	2 00



Above cut shows style of head and connections for *front cut* Champion Machines.

For sections, knives, etc., see special lists.

CHAMPION LIGHT MOWER



CHAMPION LIGHT MOWER

No.	Name.	Price.
441	Pitman box	$0 30
700	Master wheel	7 00
701	" " pinion, right	1 50
702	" " " left	1 50
703	Pinion coupling, right	1 25
704	" " left	1 25
709	Bevel wheel coupling	85
710	" " shield	1 75
716	Large shoe	4 00
718	Knife heel plate	75
719	Small shoe	2 25
720	Swath board, iron	75
721	Casting for hoisting lever	1 00
722	Bracket " " " iron	50
723	Pawl " " "	25
724	Loop for dropping drag bar	1 75
728	Socket for swath board stick	30
733	Pawl for drag bar lever	25
735	Axle washer	15
737	Pawl for M. W. pinion R	25
738	" " " L	25
740	Ratchet stand for drag bar lever	1 00
741	Master wheel shaft box	1 00
742	Bevel " "	1 00
743	Fly " " and shield	3 00
A743	" " " "	3 00
749	Shifting lever box	80
759	Knife heel plate	75
757	Shield for knife pitman	75
760	Bevel wheel	2 25
761	Bevel pinion	70
762	" " shaft box bottom	75
763	" " " top	75
768	Shifting lever box	80
769	Small shoe	2 25
776	Fly wheel	1 25
778	Trunion for back brace on 743	15
779	Washer for 778 trunion	05
785	Large shoe	3 50
786	Knife heel plate	75
787	Loop washer on front end of drag bar	25
789	Loop for dropping drag bar	2 00
792	Knife heel plate	75
793	Knife support, upper	$ 0 15
796	Head for rear brace and pipe box	60
977	Knife support, lower	15
A 23	Swath board, complete	1 75
A 29	Bolt and spring for knife heel plates	30
A 52	Latch for dropping lever	25
A 96	Bolt for rear brace and shoe	15
A117	Wearing iron on tongue, bottom	35
A118	" " " top	30
B 11	Fly wheel shaft	1 50
B 19½	Hoisting lever, complete	2 00
B 31	Tongue, ironed	2 50
B 36	Knife heel, for ⅜ inch bolt	50
B 37	" " ½ "	50
B 42	Bolt for swath board	20
B 44	" trunion in back brace	35
B 52	Doubletree, ironed	2 50
B437	Tongue plate	75
C 11	Latch for hoisting lever	15
F 39	Plate for outside shoe	20
F 43	Pitman spring	15
J 11	Spring for shifter lever	25
J 14	" hoisting lever	15
J 15	" M. W. pawls	05
J 16	" drag bar lever latch	15
K 10	Finger bar with guards and shoes, give full description	22 00
N 13	Pitman bolt, give size	15
O 10	Forked shifter	40
R 8	Wrist ball	70
R 10	Master wheel shaft, give length	2 50
S 10	Bevel " " "	2 50
T 10	Drag bar, state if round or flat	2 25
U 10	Pitman rod and box, give length	2 00
W 10	Back brace, give size	1 25
W 94	Nut for end of B. W. shaft	05
W 95	" rear brace	10
X 10	Crank for dropping drag bar lever	1 00
Y 10	Dropping drag bar lever	1 50
Z 12	Seat spring	2 50
Z 14	Nail rod for 3½ inch guard	1 50
Z 19	" " 3 "	1 50

CHAMPION STEEL MOWER

No.	Name.	Price.
12	Swath board iron for shoe	$ 0 75
52	Hook for doubletree and draft rod	20
96	Tongue plate	80
98	Knife heel	30
441½	Pitman box	30
700	Master wheel	7 00
701	" pinion, right hand	1 50
702	" " left "	1 50
703	Pinion coupling, right "	1 25
704	" left "	1 25
709	Coupling for bevel wheel	85
731	Cast seat	1 40
735	Axle washer	15
737	Pawl for M. W. pinion, right	25
738	" " " left	25
760	Bevel wheel	2 25
761	" pinion	60
776	Fly wheel	1 25
793	Upper knife button	15
796	Head for rear brace and pipe box	60
977	Knife support, lower	15
A 41	Guard steel	40
A 96	Pitman bolt	15
A103	Trunion for doubletree	40
A117	Wearing iron tongue, on bottom	35
A118	" " top	30
A321	Large shoe	5 50
A322	Rear guide for knife heel, 4½ foot	60
A323	Clamp on front brace, with eye	60
A324	Fly wheel box and shield	3 50
A325	M. W. shaft box, right hand	1 25
A326	" " left "	1 00
A327	B. W. " bottom	75
A328	" " top, right hand	1 00
A329	" " " left "	75
A330	Loop for dropping drag bar	2 00
A331	Ratchet stand for tilt lever	1 00
A333	Pawl for hoisting lever	25
A334	Bracket " " iron	80
A336	Tongue socket	1 50
A337	Shield for B. W. hub and coupling	$ 1 50
A338	Casting for hoisting lever	1 50
A339	Socket under foot board	30
A340	Carrying wheel for inside shoe	75
A346	Rear guide for knife wheel, 5 foot	60
A348	Socket for tongue brace	60
A350	Small shoe, uses small wheel	2 00
A351	Carrying wheel for outer shoe	75
A355	Bracket for hoisting lever iron	80
A358	M. W. gear shield, right hand	1 50
A359	" " left "	1 50
A433	Box for B. W. shaft, top	75
A434	" " " bottom, right hand	1 00
A435	" " " " left "	75
A436	Socket for M. W. shaft	75
A437	Fly wheel shaft box	1 25
A438	Shield under bevel wheel	1 50
A439	" and clamp for F. W. shaft box	1 75
B 52	Doubletrees, complete	2 50
B 53	Swath board, "	1 75
B 56	Pitman spring	15
B 57	Swath board stick	25
E 37	Pitman rod and box	2 00
E 38	Tongue, ironed	2 50
E 40	Front brace for shoe and pipe box	1 25
G 16	Fly wheel shaft	1 50
G 19	Bevel "	2 50
G 31	Finger bar, with guards and shoes, 4½ ft.	21 00
G 34	Nail rod for 17 guards	1 50
G 35	Finger bar, with shoes and guards	24 00
G 38	Nail rod for 19 guards	1 50
I 23	Draft rod	60
I 24½	Hoisting lever, complete	2 00
I 28	Spring for hoisting lever	15
I 30	Tongue brace	1 25
J 11	Shifter spring	25
O 10	Forked shifter	40
R 8	Wrist ball	70
R 10	Master wheel shaft	2 50
Z 12	Seat spring	2 50

For sections, knives, etc., see special lists.

CHAMPION MOWER AND REAPER, No. 4

No.	Name.	Price.
30	Small bevel pinion	$0 70
69	Doubletree plate	50
78	Bracket for driver's foot board	25
95	Doubletree plate	60
149½	Head for rake arms	3 00
182	Rake hinges, without roller	1 25
182½	" hinge, with roller	2 00
225	Pinion coupling, right side	1 50
226	" " left "	1 50
233	Master wheel pinion, right side	1 75
244	" " left "	1 75
301	"	9 00
312	Front rake switch	1 00
315	Outer shoe	2 50
316	Grain wheel	2 75
319	" plate on divider	1 25
320	Outer shoe	2 25
322	Divider point	75
330	Casting for hoisting lever	1 25
331	Plate over heel of knife, 4½ feet	85
333	Grain wheel, 4½ feet	2 25
336	Bevel " shield	1 75
337	Fly " shaft box and shield	4 00
338	Grain " plate, 4½ feet	1 25
339	Seat slide	1 75
340	Sliding stop	35
341	Master wheel shaft box	1 25
342	Bevel " "	1 00
348	Plate over heel of knife, 5 feet	85
349	Eleven cog chain wheel	2 25
354	Spur for large shoe	25
358	Coupling for 5 cog chain wheel	2 00
359	5 cog chain wheel	1 75
362	Rake chain guide	50
365	Back rake switch	75
366	Cap for spiral switch spring	25
366½	" " " without eye	25
386	Bevel wheel	2 50
387	Fly "	1 25
390 and 410.	Tightening block for chain	1 50
398	Rake cam	4 00
398½	"	4 00
402 and 403	Tightening block for chain	1 50
405	Switch stop or latch	35
412	Hand latch with spring for drag bar lever.	50
413	Front " for drag bar lever	35
416	Grain wheel arm, 5 feet	2 00
417	" knuckle, 5 feet	1 25
418	" arm, 4½ feet	1 50
419	" knuckle, 4½ feet	1 00
423	Point for rake guide	35
425	Ratchet for drag bar lever	75
426	Loop on front of frame for drag bar	1 75
428	Tongue plate	1 50
433	Ratchet stand for drag bar lever	75
434	Grain wheel, 4½ feet	$2 25
438	Switch stop or latch	40
439	Loop on front of frame for drag bar	2 25
440	Small fly wheel	1 25
441	Pitman box with flange	30
441	" without flange	30
447	Shipper guide or box	80
450	Ratchet for seat spring	25
453	Bevel wheel shaft box bottom	75
454	" " " top	75
455	Ratchet for hoisting lever and tail bar	75
459	Crank lifter for treadle rod	40
460	Casting for hoisting lever	1 25
461	Bevel wheel coupling	85
472	Fly " shaft box and shield	3 75
475	" "	1 25
478	Grain "	2 50
479	Rake cam	4 50
480	Front rake switch for 479 cam	1 00
481	Back " " "	75
482	Switch holder " "	35
484	" stop or latch	35
485	Platform support	25
509	Socket wrench for adjusting grain wheel	20
551	Spring latch holder	30
554	" "	30
583	Thumb latch for grain wheel arm	30
597	Grain wheel arm	2 25
598	" knuckle	2 00
599	Pinion for grain wheel arm and knuckle	50
684	Screw plug for oil hole	10
720	Swath board iron	75
728	Socket for swath board arm	30
731	Seat with ratchet	1 50
758	Eye for knee and seat spring bolt	10
916	Grain wheel	3 00
925	" plate on divider	1 50
928	Pawl for hoisting lever and ratchet	25
941	Bevel wheel shield	1 50
963	Outer shoe, 4½ and 5 feet	2 25
A 117	Bottom plate for tongue and neck yoke	35
A 118	Top " " " "	30
A 120	Clamp for center of neck yoke and ring	40
A 309	Large shoe for cutter bar, 5 feet	5 50
A1309	" " " 4½ feet	5 50
B104	Grain wheel knuckle	1 75
B105	" arm	2 25
A 9	Drag bar	3 50
A10	Rake chain for self rake, 49 links	1 75
A23	Board track clearer, complete	1 75
A26	Axle washer	15
A28	Stud on rake cam arch	20
A38	Driver's foot board, complete	1 25
A41	Wrought iron guard. Give size of sec.	40
A44	Washer for pipe box	10

CHAMPION MOWER AND REAPER, No. 4—Cont'd

No.	Name.	Price.
A 45	Trunion for pipe box	$ 0 15
A 46	Spring for thumb latch grain wheel arm	10
A 47	Doubletrees, complete	2 50
A 65	¾ hex. lock nut	10
B 10	Roller and journal for rake hinge	60
B 16	Hoisting lever, wood only	75
B 16½	" " complete	2 50
B 28	Tongue, ironed	2 50
B 36	Knife heel for ⅝ in. pitman bolt	50
B 37	" " " ½ in. " "	50
B 42	Track clearer bolt	20
B 66	Latch for grain wheel lever	25
C 9	Cutter bar holder	60
C 10	Pin for rake head	30
C 12	" divider bracket	30
C 20	Butt board, complete	1 50
C 81	Spiral spring for G. W. lever	15
D 10	Trip chain	75
D 11	Stay rod for master wheel	50
D 23	Open link for A10 rake chain	10
D 28	Long sleeve for M. W. shaft	30
D 78	Loop for foot board and treadle rod	15
D 91	Treadle rod	1 50
D 93	Grain wheel spindle	80
E 9	Thimble for hoisting lever	25
E 10	Stop bolt for pins in rake head	10
E 26	Spring for tongue lever latch	20
E 44	Rake teeth	5
F 4	Pitman bolt wrench	10
F 10	Rake tripper	30
F 20	Divider, complete	5 00
F 43	Pitman Spring	15
F 66	Eye ferrule for end of neck yoke	20
G 10	Hook for rake cam and switch stop	35
H 2	Right hand pinion pawl. See 737	25
H 4	Loop on foot board for treadle rod, or D78	15
H 7	Lever for dropping drag bar	1 75
H 10	Wooden rake head, 5 ft., give length	75
I 2	Left hand pinion pawl. See 738	25
J 9	Extension bar or short arm	80
J 11	Spring for shifting lever	25
J 15	Spring for M. W. pawls	$ 05
J 17	" " hoisting lever	15
J 18	" " treadle rod	35
K 8	Large bevel wheel shaft	2 50
K 11	Fork shifter for bevel wheel coupling	25
L 9	Finger bar complete with guards and shoes, 5 ft.	25 00
M 8	Bevel wheel coupling	85
N 8	Arm for drag bar and fly wheel shield	1 25
N 13	Pitman bolt, give size	15
N 160	Neck yoke, complete	1 50
N 162	Singletree	75
O 8	Finger bar complete with guards, 4½ ft. give full description	23 00
O 9	Grain wheel spindle, 5 ft	75
P 8	Pitman rod, complete with box	2 00
Q 2	Supports on cutter bar to hold knife down	15
	Lower supports on cutter bar for knife.	15
Q 9	Wooden rake guide complete	75
R 8	Wrist ball	70
S 8	Fly wheel shaft, give No. of fly wheel.	1 50
S 9	Pawl lifter	25
S 13	Circular rod on driver	75
U 81	Spring for socket for grain wheel lever	15
V 5	Fender rod for butt board	1 00
W 5	Short fender rod for divider	40
W 7	Lifting arm for cut-off rod	1 75
W 9	Arch for rake column	2 50
W 12	Knee iron for divider and platform	30
X 7	Lifting iron for arm for cut-off rod	1 50
X 8	Master wheel shaft	3 00
X 9	Rake shaft	1 50
Y 9½	Spiral switch spring	35
Z 7	Cut-off rod with socket	75
Z 9	Wooden rake arm	50
Z 12	Seat spring with ratchet	2 50
Z 13	Nail rod, for 3½ in. guards	1 50
Z 17	" " 3 "	1 50
Z 115½	Pitman hook for ½ in. bolt	90
Z 116½	" " " ⅜ "	90

For knives, sections, etc., see special lists.

CHAMPION SINGLE WHEEL REAPER

No.	Name.	Price.
322	Divider point	$ 0 75
428	Tongue plate	1 50
441	Pitman box	30
478	Grain wheel	2 50
500	Rake cam track	5 00
501	Stud for arch, cam and pinion	1 50
520	Rake cam track	5 00
523	Bevel wheel shield	75
524	" pinion "	50
527	" wheel	2 50
530	Master wheel shaft box, left	1 00
534	Tongue trunion	50
539	Plate over heel of knife	1 00
541	Harp for supporting finger bar	1 50
546	Treadle lever box	75
548	Master wheel shaft combination box, R.	2 75
549	Ratchet stud for arch, cam and pinion.	1 75
551	Spring latch holder	30
553	" " for tilting lever	30
554	"	30
555	Shoe guard or spur	25
556	Large inside shoe	5 00
557	14 cog bevel wheel and clutch	1 60
558	15 " " ratchet	1 75
559	Hub coupling on master wheel	1 50
563	Master wheel	11 50
565	Fly wheel pipe box	2 25
583	Latch for G. W. arm	30
586	Bevel wheel shield and box	2 00
587	Cap for master wheel pinion box	1 25
588	Sliding box for master wheel pinion shaft	1 75
589	Master wheel pinion for bevel wheel shaft	1 25
590	Bevel wheel shield	50
591	Thumb latch for shifting lever	25
592	Ratchet standard for lifting lever	2 00
593	Socket on lifting lever, for latch	40
597	Grain wheel arm	2 25
598	" knuckle	2 00
731	Cast seat	1 50
750	Fly wheel	1 25
761	Bevel wheel pinion	70
776	Fly wheel	1 25
913	Hook for treadle rod and trip chain	25
916	Grain wheel	3 00
925	" plate on divider	1 50
949	Spindle for rake head	1 25
961	Switch latch	30
963	Outer shoe	2 25
970	Hinge arm holder with roller and journal	2 25
971	25 cog bevel wheel and cast rake head	2 75
981	Front rake switch	1 00
983	Outside tumbling shaft	80
984	Inside "	80
985	Coupling ring for Nos. 983 and 984	35
990	11 cog bevel pinion and clutch	1 50
991	Switch holder	35
993	Rake cam track	5 00
994	Front switch	1 00
995	Back "	75
997	Switch latch	35

No.	Name.	Price.
A 12	Trip bolt	$ 0 25
A 13	Bolt for combination box 548	15
A 41	Guard, steel	40
A 43	Nail rod, 6 feet, planed and drilled	1 75
A 46	Spring for thumb latch	10
A117	Wearing iron on tongue, bottom	35
A118	" " top	30
B 13	Spindle for combination box 548	40
B104	Grain wheel knuckle	1 75
B105	" arm	2 25
B441	Tongue plate	1 50
C 13	Bevel wheel shaft	1 25
D 12	Roller for hinge arm holder	20
E 10	Stop bolt for rake head and pin	10
E 12	Roller journal for hinge arm holder	35
H 13	Oil plug for master wheel	10
I 12	Spring latch for tilting and lifting lever	30
I 13	Finger bar, complete, 5 ft., with guards and shoes	24 00
K 12	Latch handle for lifting lever	20
K 13	Outside bolt or pin for connecting finger bar to main frame	20
L 12	Latch handle for lifting lever	25
L 13	Inside bolt or pin for connecting finger bar to main frame	25
M 13	Fly wheel shaft	1 50
N 11	Washer for rake head	20
N 13	Pitman bolt	
O 12	Spiral spring for latch bolt	15
P 11	Cam and rake head bolt	40
Q ..	Pawl for ratchet hub coupling	10
Q 11	Spiral spring for front switch	30
Q 11½	" " " No. 520 cam	30
Q 12	Rake board, comp., with braces, give size	1 00
R 8	Wrist ball	70
R 11	Trip chain	75
R 12	Center brace for rake board	25
R 13	Pitman rod, with box	2 00
S 11	Pin for rake head	25
S 12	Inside brace for rake board	15
T 11	Bolt for switch latch	15
T 12	Outside brace for rake board	15
T 13	Shifting lever for sliding box	75
U 11	Spiral spring for switch latch in 500	20
U 11½	" " " 520	20
....	" " holder 991	20
U 12	Rake head, 5 feet	80
U 13	Master wheel shaft	1 50
U 81	Spring for G. W. lever	15
V 11	Bolt for ratchet standards	15
V 12	Connecting rod on lifting lever	20
W 11	Rake arch	3 00
X 11	Spiral spring for treadle rod	25
X 12	Notched segment standard for tilt'g lever	75
Y 11	Pin and key for tumbling shaft	15
Z 11	Treadle rod	1 00
Z 12	Seat spring	2 50
....	Knife support, upper	15
....	" lower	15
....	Rake teeth	05
....	Tongue, ironed	2 50
....	Wooden rake guide, complete	75

For knives, sections, etc., see special lists.

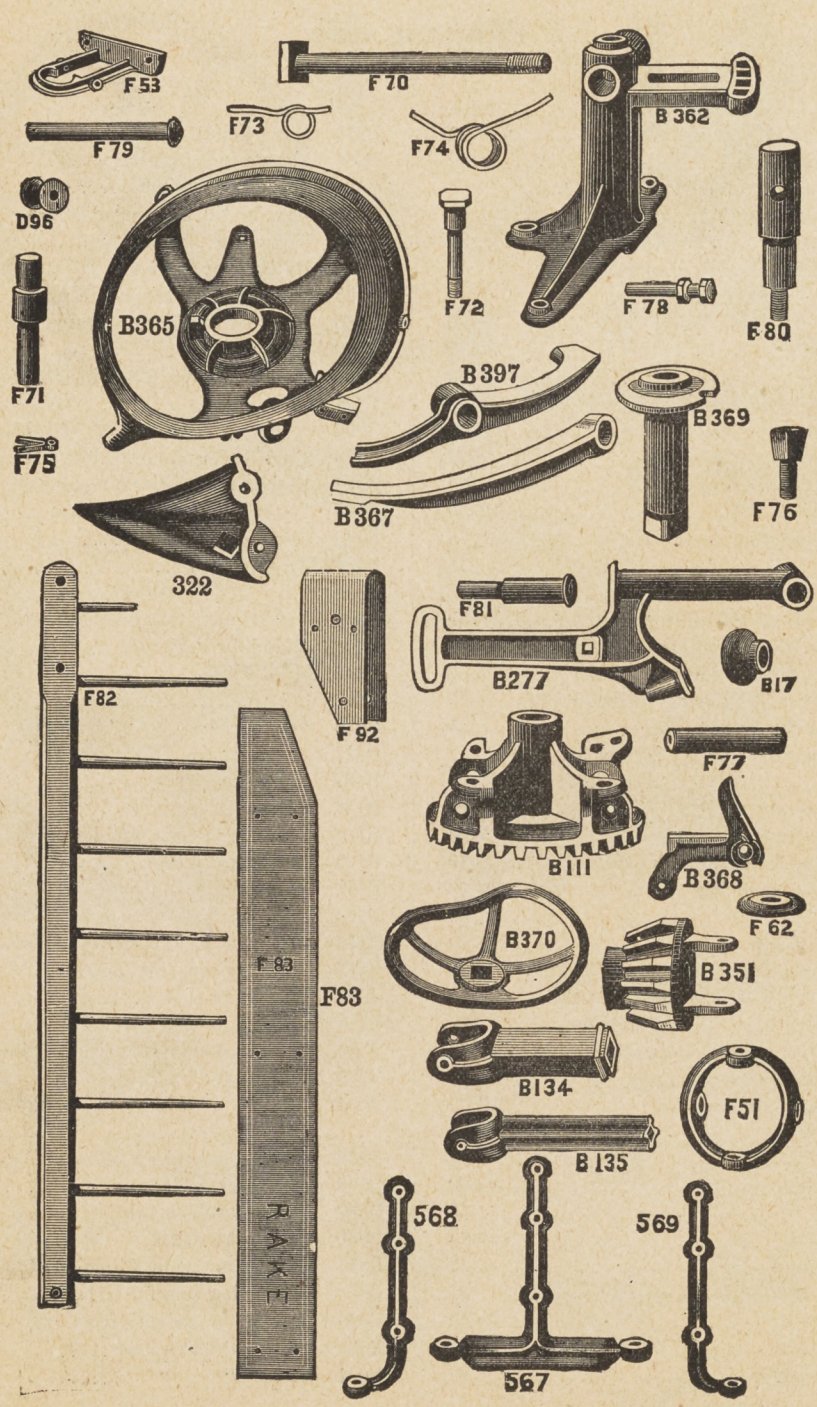
CHAMPION SINGLE WHEEL REAPER

CHAMPION LIGHT REAPER

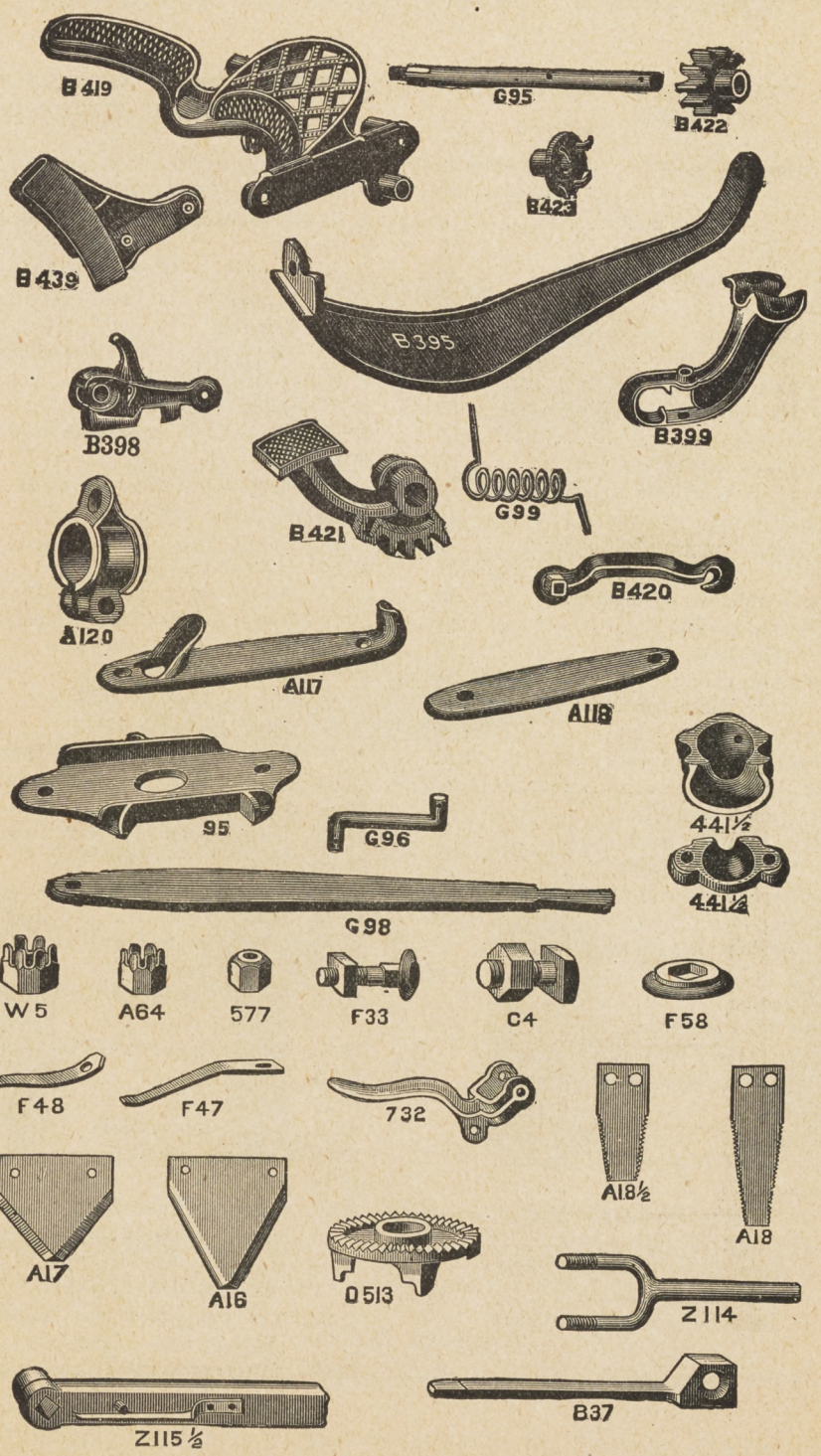
CENTER CUT

No.	Name.	Price.
20	Divider wheel spindle washer	$ 0 15
95	Doubletree plate	60
322	Divider point	75
423	Rake guide point	35
441½	Pitman box	30
567	Center brace for F35 rake board	50
568	Outside " " "	20
569	Inside " " "	20
684	Oil plug	15
731	Seat	1 50
732	Hand latch for levers	25
A117	Bottom wearing iron on tongue	35
A118	Top " " "	30
A120	Neck yoke clamp	50
B115	Master wheel	12 50
B134	Outside tumbling shaft	75
B135	Inside " "	75
B143	Divider wheel slide	75
B208	Sliding bolt on H70 tilting lever	50
B277	Rake arm without roller	1 25
B277½	" with roller and journal	2 00
B294	Pawl lifter with latch and spring for B381	1 00
B299	Latch for B294 pawl lifter	25
B350	Washer and trunion on tongue for G50 brace	25
B351	Rake head pinion	1 75
B352	Coupling for B135 and F85	75
B354	Spring box for G63 lifting lever	50
B355	Right hand axle box	2 50
B356	Left " "	2 00
B357	Stand for B384	2 10
B358	Bevel wheel shield, upper	2 25
B359	" " " lower	1 75
B361	Ratchet stand for G63 lifting lever	50
B362	Cam stand for B536 cam track	2 50
B363	Thumb latch with spring for B374	35
B364	Fly wheel shaft box	3 00
B365	Cam track	4 50
B365½	"	4 50
B366	Front switch	1 00
B367	Back "	75
B368	Switch latch	50
B369	Cam spindle	1 25
B373	Spur for B389 inside shoe	25
B374	Sliding box	2 00
B377	Divider plate	2 00
B378	Bevel wheel	2 25
B379	" pinion	$ 0 75
B380	Master wheel pinion	1 50
B381	Main axle ratchet	1 00
B382	Box for No. 554 spring bolt	50
B383	Fly wheel	1 25
B384	Ratchet for B357	75
B385	Support, with trip chain roller	75
B388	Front switch latch on cam	50
B389	Inside shoe	2 50
B390	Heel plate over B389 inside shoe	75
B391	Outside shoe	3 00
B392	Socket on finger bar of F89 shaft	1 00
B393	Trunion for end of tongue	35
B394	Divider and platform bracket on platform	25
B395	Fly wheel shield	1 10
B396	Grain wheel	2 75
B397	Front switch	1 00
B398	" " holder	50
B399	Guide under cam for trip chain	35
B401	Shield for B383	1 10
B402	Main wheel	12 50
B419	Foot rest	1 10
B420	Trip lever	50
B421	" " rack	25
B422	Pinion for B421	25
B423	Spring holder	15
B437	Tongue plate for doubletrees	75
B439	Butt board guide	50
B442	Cam spindle	1 30
B444	Rake head for rake arms	3 00
B470	Left hand axle box and support for seat.	2 00
B474	Swinging foot rest	85
B475	Trip lever	35
B476	Bracket for B474 foot rest	50
B478	Ratchet standard for H72 tilting crank.	1 50
B479	Support for F60 trip chain roller	50
B534	" H72 tilting crank and B393 Trunion	2 00
B535	Washer and rake guide top of cam	35
B536	Cam track	4 25
B537	Front switch on cam	1 00
B550	" rake switch	1 00
B551	Bracket for main frame and tongue	1 75
B553	Connecting link for tilt crank	30
B565	Bracket for grain divider	30
B600	Front switch on cam	1 00
B601	Back " "	75

CHAMPION LIGHT REAPER—Continued



CHAMPION LIGHT REAPER—Continued



CHAMPION LIGHT REAPER—Continued

PARTS NOT NUMBERED ON PIECES

No.	Name.	Price.
A16	Knife section 3x3¼ inches	$ 0 05
A17	Sickle " 3x2¾ "	08
A18	Half " on end of knife	5
A18½	" " " sickle	5
A42	Guard for 3 inch sections	40
A84	Seat spring	2 25
A94	Singletree hooks	15
B17	Rake arm rolller	20
B34	Tongue without irons	2 50
B37	Knife or sickle heel for ½ inch pitman bolt	50
B52	Doubletree complete	2 50
B84	Divider wheel spindle bolt, ⅝x4½	20
C 4	Bolt, ¾x1⅞, to fasten seat spring to left hand axle box	10
C 81	Spiral spring for spring bolt on G55	20
C 85	" " " B208	20
D 96	Trip chain roller in B399 guide	20
E 31	Lifting shaft, see F89	2 00
E 32	Link for G63 lifting lever	1 00
E 33	Rear brace for platform	50
E 34	Front " " finger bar	60
E 46	Rake teeth	05
E 49	Rake head, with board and braces	2 00
F 4	Pitman wrench	10
F 25	Divider, ironed complete	6 00
F 40	Steel plate on B389 inside shoe	20
F 41	" " " B391 outside "	20
F 42	Knife complete with 19½ three inch sections	2 40
F 42½	Sickle complete with 19½ three inch sections	2 40
F 43	Pitman spring	
F 51	Ring for B135 and B352	35
	Also for B134 and B351	
	Oil cup for B355 right hand axle box	
B374	Sliding box	
	Doubletree	
B479	Support for R11 trip chain	
F 85	Main axle	
F 62	Washer for B351 rake head pinion	15
F 63	Spring bolt for G63 lifting lever	25
F 64	Clip or upper knife support on finger bar	15
F 65	Clip or lower knife support on finger bar	15
F 70	Bolt for B362	50

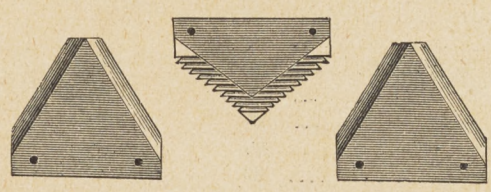
PARTS NOT NUMBERED ON PIECES—Continued

No.	Name.	Price.
F 71	Switch stud on B536 cam track	35
F 72	Bolt for B388 switch latch	25
F 73	Spiral spring for B388 front switch latch	25
F 74	" " " B537 " "	40
F 76	Stop bolt in B444 iron rake head	10
F 77	Journal for B277 rake arm	30
F 78	Trip bolt	$ 0 25
F 79	Pin for B134 and B135 tumbling shafts.	20
F 80	Stud for B351	80
F 81	Roller journal in B277	50
F 82	Wooden rake head, with teeth	1 00
F 85	Main axle	2 00
F 87	Steel washer 2⅛x1½⅜ for H66	10
F 88	Fly wheel shaft	2 00
F 89	Lifting shaft	2 00
F 95	Rake guide complete	75
G 57	Pitman rod complete with box 441½	2 00
G 70	Fender rod for inside of divider	40
G 74	Spiral spring for B398	25
G 75	Bolt for B398	15
G 76	Pin for B352 coupling	15
G 77	Spiral spring for B294	25
H 51	Bolt, ⅞x11½, for B362 and B536	50
H 52	Stud for B351 rake head pinion	1 50
H 66	Bevel wheel shaft	2 00
H 67	Long key for H66 bevel wheel shaft	10
H 68	Short " H66 " " "	10
H 69	Pin, ¼x5½, to connect B474 to B476	20
H 70	Tilting lever	1 25
H 71	Connecting rod on H70	25
H 72	Tilting crank	1 00
H 73	Link to connect H72 tilting crank and tongue	75
H 74	Pin, ½x1½, to connect G63 to G65	5
H 75	" ½x1⅝, " G65 to B534	5
N 13	Pitman bolt	15
N161	Neck yoke complete	1 50
N162	Singletree complete	75
R 8	Ball wrist	70
R 11	Trip chain	50
S 13	Circular rod on divider	50
W 5	Lock nut for bolt ½x3¼ to bolt B355 axle box to main frame	15
Z 22	Nail rod, planed and drilled with 18 holes to rivet on guards	1 50
Z115½	Pittman hook and spring	

Special Parts of Mower and Reaper Cutting Apparatus

Knives

When ordering knives, give name of machine, number of sections on knife, number or description of knife head; state if sections are smooth or serrated. When ordering *header sickles*, give number of sections on same, give the size of section; state if sections are riveted on *top* or *bottom* of bar, and state if head is on *end* or *near center* of sickle. If head is wanted, give number or description of same.

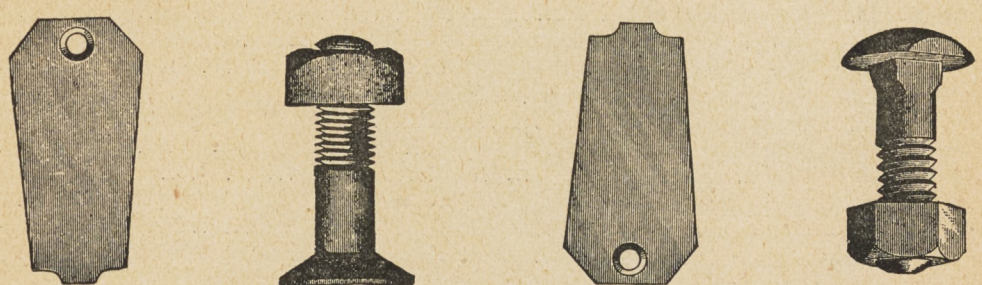


All Sizes in Stock **All Styles in Stock**

We carry a full line of all sections used on this Coast for the last thirty years. If size or style is not mentioned in the following pages, send paper sketch of section, showing its size and the position of the rivet holes or send sample.

Guards for all Machines

When ordering guards, give number on same. Some steel guards, the Champion and Whitely, are no numbered; order them by catalogue number, which will be found in description in special lists for those machines.



Guard Plates and Bolts for all Machines

Guard Plates for all Machines—Give name and number of guard, or send a sample plate or drawing.
Guard Bolts for all Machines—Give name and number of guard and size of bolt.

Knife Heads

Give number on head, name of machine. Give description of heads not numbered.

For Rivets, Pitman Boxes, Wrenches, Section Punches, Oil Cans, see Special Lists.

Special Parts of Mower and Reaper Cutting Apparatus

ADRIANCE BUCKEYE MACHINES

Smooth Knives

Name.	No. of Section.	Size of Section	No. of Head	Retail Price.
No. 1	16	$3\frac{1}{2}$x$3\frac{13}{16}$	257	$ 2 30
No. 2	14	"	"	2 60
Harvester	15	"	"	2 70
New model and Enclosed gear, A, B, E and F	16	3 x$3\frac{1}{8}$	724	2 15
" " " " "	17	"	"	2 25
" " " " "	18	"	"	2 35
" " " " "	20	"	"	2 50
Enclosed Gear G	20	"	363	2 50
" "	24	"	"	2 90
Adriance, H	17	"	557C	2 60
"	18	"	"	2 70
"	20	"	"	2 85
"	24	"	"	3 25
Adriance Reaper	18	"	959	2 60
" Binder	20	"	1245A	3 00
Self-Rake Reaper	$18\frac{1}{2}$	"	257	

Reaping Sickles

Adriance Reaper	18	3 x$2\frac{1}{2}$	959
Self-Rake "	$18\frac{1}{2}$	$3\frac{1}{2}$x$2\frac{3}{4}$	257
Adriance Binder			

Knife Heads—	157	Not used since 1867	$0 50
"	257	Used on No. 1, No. 2 Harvester and S. R. Reaper	50
"	724	Used on New Model and Enclosed Gear, E and F	25
"	725	Not in use; will fit in 713 or 713A shoes only	50
"	557	Superseded by 557C	60
"	557B	Solid head; replaced by 557C	60
"	557C	Used on Adriance H	60
"	363	" Enclosed Gear G	
"	959	" Adriance Reaper	30
"	1248A	" " Binder	60
Guards—	716	Used on New Model and Enclosed Gear	25
"	716A, end	" " prior to 1876	25
"	68	" No. 1, No. 2 and Harvester	25
"	68A, end	" " " "	25
"	526	" S. R. Reaper	25
"	564	" Adriance "H" Mowers	25
"	990	" " Reaper	25
"	1265	" " Binder	35

ADRIANCE BUCKEYE MACHINES—Continued

Name.			Price.
Guard Plates—	716½	Has indented end, old style	$ 05
"	716½A	" projecting " fits guards Nos. 716, 716A, 526, 990 and 1265	05
"	67	" indented " old style	05
"	67A	" projecting " fits guards Nos. 68 and 68A	05
"	564½	" " " " " 564	05
Smooth Sections—745		3x3⅛ inch ... per doz.	60
"	98	3½x3 1/16 " ... "	60
"	447A	3¼x3¼ " ... "	60
Sickle Sections —998		3x2½ " ... "	75
"	477½	3½x2¾ " ... "	75
Blank Sections —746			05
"	97		05
"	448A		05
"	448½		05
Guard Bolts		— 69, 69A, 533, 1265½, give number of guard ... per doz.	50
Pitman Boxes	— 61	For all mowers	50
"	961	" Adriance Reaper	50
"	1243	" " Binder	80

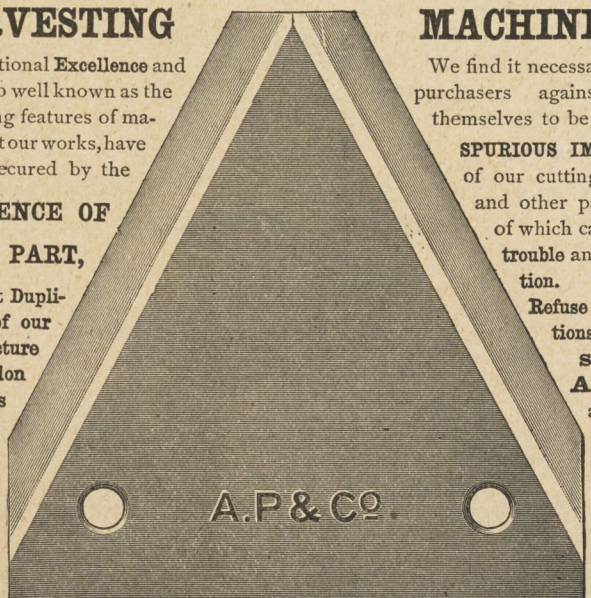
CAUTION

TO OWNERS OF ADRIANCE, PLATT & CO'S HARVESTING MACHINERY.

The exceptional **Excellence** and **Durability,** so well known as the distinguishing features of machines built at our works, have only been secured by the

EXCELLENCE OF EVERY PART,

And none but Duplicate Parts of our own manufacture should be used on our machines by those who know by experience the Great Superiority of our manufactures.



We find it necessary to caution purchasers against allowing themselves to be deceived by **SPURIOUS IMITATIONS** of our cutting apparatus, and other parts, the use of which can **only cause trouble** and **dissatisfaction.**

Refuse all Knife Sections that are not stamped A., P. & Co., and buy only from our **Accredited Agents** who deal exclusively in our **Genuine Fixtures.**

CHAMPION MOWERS AND REAPERS

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price
New, Ball Joint or Steel	17	$3x3\frac{5}{16}$	98	$2 35
" "	18	"	"	2 45
" "	20	"	"	2 65
Improved, 1891 to 1893	18	$3x3\frac{1}{4}$	A415	2 45
" " "	20	"	"	2 65
" " "	24	"	"	3 05
Improved, 1894	18	$3x3\frac{9}{16}$	"	2 50
" "	20	"	"	2 70
" "	24	"	"	3 15
Light, 1873 to 1877	14	$3\frac{1}{2}x3\frac{1}{4}$	Wrought	2 35
" 1878	16	$3x3\frac{1}{4}$	"	2 40
No. 4, 1873 to 1877	17	$3\frac{1}{2}x3\frac{1}{4}$	"	2 60
" 1878	20	$3x3\frac{1}{4}$	"	2 75
Light Reaper	$19\frac{1}{2}$	"	"	2 40

Reaper Sickles

No. 4, 1873 to 1877	17	$3\frac{1}{2}x2\frac{3}{4}$	Wrought	$2 55
" 1878	20	$3x2\frac{3}{4}$	"	2 70
Light Reaper	$19\frac{1}{2}$	"	"	2 40

Name.			Price.
Knife Heads—	98	For front cut mowers up to 1891	$0 30
"	A415	" " since 1891	30
"	Wrought	For rear " Give size of pitman bolt	50
Guards—	A41, steel	For $3\frac{1}{2}$ in. section, has 3 rivet holes	40
"	A42 "	" 3 " " 2 " This guard was also named A41	40
Smooth Sections—		See list of knives for size	5
Pitman Boxes—	441	For Light and No. 4	30
"	$441\frac{1}{2}$	" Steel Mower and Light Reaper	30
"	A100–101	" New, Ball Joint and Improved	30
Pitman Bolts—	N 13	$\frac{3}{8}$ in. shank, R. H. thread	15
"	N 13	$\frac{1}{2}$ in. " " "	15
"	A 96	$\frac{1}{2}$ in. " L.H. "	15

CROWN MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Crown	17	$3x3\frac{1}{4}$	6	$2 75
"	19	"	"	95
"	20	"	"	3 5
"	24	"	"	3 45

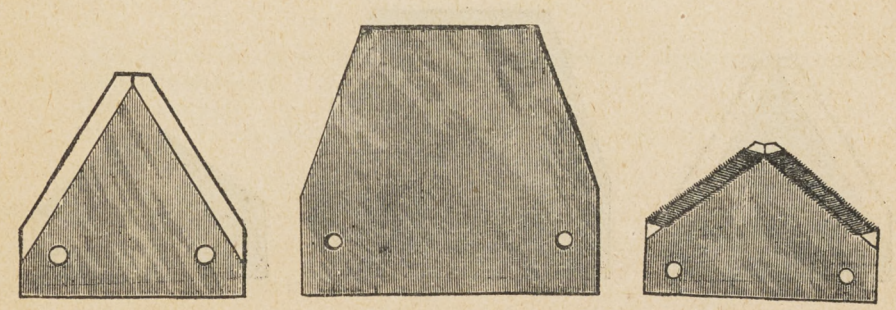
Name.		Price.
Knife Head—	6	$0 40
Guard—	3	25
Guard Plate—		5
Smooth Sections—	$3x3\frac{1}{4}$	5
Guard Bolts—	per doz.	50
Pitman Box—	25	1 00

DEERING MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
New Deering	24	2¼x3⅛	F 74	$3 35
F. C. Giant	27	"	F 84	3 60
"	32	"	"	3 95
"	37	"	"	4 35
New Deering	17	3x3¼	F174	2 95
"	19	"	"	3 15
F. C. Giant	20	"	F184	3 25
"	24	"	"	3 65
"	28	"	"	4 05
New Deering	24	2¼x3	F 74	3 35
F. C. Giant	27	"	"	3 60
"	32	"	"	3 95
"	37	"	"	4 35
New Deering	17	3x3⅛	F174	2 95
"	19	"	"	3 15
F. C. Giant	20	"	"	3 25
"	24	"	"	3 65
"	28	"	"	4 05
Ideal	20	3x3¼	F123	3 15

Knife Heads—	F 74	Used with	2¼	sections,	ball head	$0 70
"	F 84	"	2¼	"	"	70
"	F174	"	3	"	"	70
"	F184	"	3	"	"	70
"	F123	"	3	"	eye head	70
Guards—	F	"	3	"	1885 to 1889	25
"	F ½	"	3	"	1890	25
"	F 99	"	2¼	"	1886 to 1889	25
"	F 99½	"	2¼	"	1890	25
Guard Plates—	Give number of guard					5
Smooth Sections—	2¼x3					5
"	2¼x3⅛					5
"	3 x3⅛					5
"	3 x3¼					5
Blank Sections—	Send sketch or sample					10
Guard Bolts—	Give size.					per dozen 50
Pitman Boxes—	D210					50
"	D321					50
"	D334					80



Sections, smooth, sickle and blank, for all machines.

DAYTON MOWER

Smooth Knives

Name.	No. of Section	Size of Section.	No. of Head.	Retail Price.
Dayton Chain Mower	17	3x3⅛	M513	$3 15

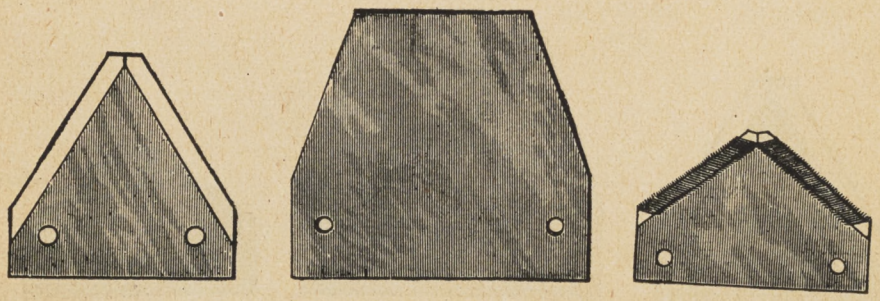
Knife Head—	No. M513	60
Guard—	No. M8	25
Smooth Sections—	No. M215 3x3⅛	5
Pitman Box—	No. M520	80

EMPIRE MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Empire	16	3 x3⅜	Wrought	$2 70
"	17	"	Not numbered	2 80
"	18	"	"	2 90
"	20	"	"	3 10

Knife Head—	Wrought	40
Guards—	No. 55, common	25
"	No. 319, inside or pin guard	30
Guard Plates—		5
Smooth Sections—	3x3⅜	5
Blank Sections—		10
Guard Bolts—	per doz	50
Pitman Box—	No. 90	60
" Rods—	Only	1 75
Lower Crank Shaft Box—	4¾ inches	1 50
Upper " " "	4¼ inches	1 50



We carry Sections—all sizes and styles

STANDARD MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Standard	16	3x3⅛	Z94	$2 55
"	17	"	"	2 65
"	18	"	"	2 75
"	19	"	"	2 85
"	20	"	"	2 95
"	24	"	"	3 35
"	28	"	"	3 75

Knife Head—	Z 94		40
Guard—	H—	With rail and sickle plate	30
Guard Plate—		(Sickle)	5
Smooth Sections—		3x3⅛	5
Blank Sections—			10
Extra Bushings—		For knife eye	10
Extra Rails—		For guards	per doz. 50
Guard Bolts—		Give size	4
Pitman Box—	1 & 2		50

TIGER MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Tiger	17	3x3⅛	M23	$2 65
"	18	"	"	2 75
"	20	"	"	2 95
"	24	"	"	3 35
"	17	"	M174	2 65
"	18	"	"	2 75
"	20	"	"	2 95
"	24	"	"	3 35

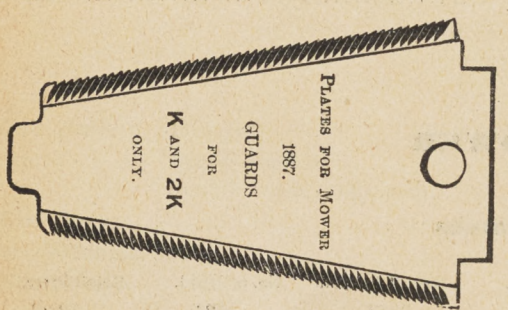
Knife Heads—	M23, with rib on top, use M18 keeper instead of M508, and all heads will interchange	40
	M23, with wide flat top, " " " " " " " " "	40
	M174, 10 in. long " " " " " " " " "	40
	M174, 13 " for 1893 " " " " " " " " "	40
Guard—	M8	25
Guard Plate—	M216	5
Smooth Section—	M215, 3x3⅛	5
Guard Bolts—	M220 and M221, give length	per doz 50
Pitman Box—	M159	60

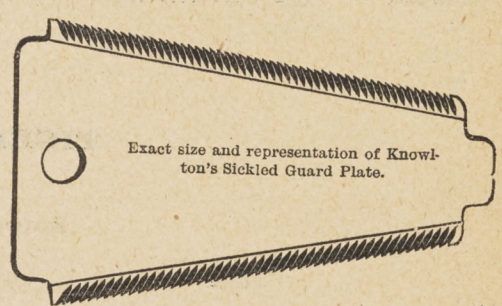
KNOWLTON MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Knowlton	16	3x3 5/16	Malleable	$2 80
"	17	"	"	2 90
"	18	"	"	3 00
"	20	"	"	3 20
"	24	"	"	3 60
"	28	"	"	4 00

Knife head—	Not numbered	40
Guards—	K With sickle plate	30
"	K2 " "	30
"	No number, with sickle plate	30
Guard plate—	Give width at back	05
Smooth Sections—	3x3 5/16	05
Blank Sections—		10
Extra Buishings—	For knife eye	15
Guard Bolts—		per dozen 50
Pitman box—	A	





Exact size and representation of Knowlton's Sickled Guard Plate.

TRIUMPH MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Triumph	17	3x3 1/8	C139	$2 75
"	18	"	"	2 85
"	20	"	"	3 05

Knife Head—	C139	40
Guard—	635	25
Guard Plates—		05
Smooth Sections—	3x3 1/8	05
Guard Bolts—		per dozen 50

RED, WHITE AND BLUE MOWERS

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Red, White and Blue	17	3x3⅛	537	$2 60
"	18	"	"	2 70
"	20	"	"	2 90
"	17	"	626	2 60
"	18	"	"	2 70
"	20	"	"	2 90

Knife Heads—	537		35
	626		35
Guards—	539		25
Guard Plates—			5
Smooth Sections—	3x3⅛		5
Guard Bolts—		per doz	50
Pitman Boxes—			50

WHITELEY MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Whiteley Solid Steel	18	3x3 5/16	A57	$2 60
" "	18	"	A158	2 60
" "	20	"	"	2 80
" Tricycle	18	3x3 11/32	A206	2 25
" "	20	"	"	2 45
" Floating Bar	22	"	"	2 65

Knife Heads—	A57	For solid steel mower, 1889	50
	A158	" " " " 1890	50
	A206	" Tricycle and F. B. Mowers, 1891	50
Guards—	A16	Steel for solid steel mowers	40
	A185	Steel for Tricycle and F. B. Mower	40
Smooth Sections—	A49	Used in 1889 and 1890, low punch, 3x3 5/16	5
	A203	" " 1891 and since, high " 3x3 11/32	5
Blank Sections—	A50	Used in 1889 and 1890	10
	A204	" " 1891 and since	10
Pitman Boxes—	193	Socket box with hinge cap, Tricycle	35
	A79	Parts numbered 42 and 43, see A132	35
	A132	Replaces A79, same as 441½	30
	A255	Parts numbered 198 and 200	30
	A178	Ball box for ⅞ in. wrist pin	35

McCORMICK MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
No. 2 Mower	17	3x3 1/16	M139	$2 60
" "	18	"	"	2 70
" "	20	"	"	2 90
No. 3 "	17	"	M237	2 60
" "	18	"	"	2 70
" "	20	"	"	2 90
No. 3 and No. 4 Mowers	17	3x3 3/16	M139	2 65
" " " "	18	"	"	2 75
" " " "	20	"	"	2 95
" " " "	24	"	"	3 35

Knife Heads—	No. M 36	For No. 2 mower, 1884 and 1885	
"	" M139	Used on Nos. 2, 3 and 4 mowers	40
"	" M143	" iron mower, 1885 to 1887	40
"	" M237	" No. 3 and No. 4 in 1887	40
Guards—	" O	" iron mower, 1879 to 1887	25
"	" M 21	" No. 2 from 1884 to 1887	25
"	" M229	" No. 3 and No. 4 in 1887	25
"	" M253	Has been used on all mowers	25
"	" M462	For No. 4 and Big No. 4	25
Guard Plates—		Give number of guard	5
Smooth Sections—	" M 71	3x3 1/16, for Nos. 2, 3 and 4 mowers	5
"	" M116	" iron mower	5
"	" M333	3x3 3/16, for all mowers since 1888	5
Guard Bolts—		Give number of guard	5
Pitman Boxes —	" M 33 or T	Used on No. 2 and iron mowers	1 00
"	" M137	Used on Nos. 2, 3 and iron mowers	1 00
"	" M317	" No. 3 and all No. 4 mowers	1 00

AKRON BUCKEYE MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price
Akron	16	3x3 3/8	301	$2 75
"	17	"	"	2 85
"	18	"	"	2 95
"	20	"	"	3 15
"	24	"	"	3 55
" 1895	16	"	"	2 75
" "	17	"	"	2 85
" "	18	"	"	2 95
" "	20	"	"	3 15
" "	24	"	"	3 55

Knife head—	No. 301		60
Guards—	" 242, outside		30
"	" 773, inside		25
"	" 775, common		25
Guard Plate—	" 499½		5
Smooth Sections—	" 675	3x3 3/8, low punch	5
"	"	" high " 1895	5
Blank Sections—	" 303		10
Guard Bolts—			per doz 60
Pitman Box—	No. 88		75

OSBORNE AND WHEELER MOWERS

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Osborne, No. 4	18	3x3	616	$2 25
" "	20	"	"	2 45
" Big 4	24	"	"	2 85
" "	28	"	"	3 25
" No. 4	18	"	K50 or K212	2 25
" "	20	"	" "	2 45
" Big 4	24	"	" "	2 85
" "	28	"	" "	3 25
" No. 4, 1893	18	"	K212	2 25
" " "	20	"	"	2 45
" Big 4, 1893	24	"	"	2 85
" " "	28	"	"	3 25
Wheeler, No. 6	16	$3\frac{3}{16}$x$3\frac{1}{2}$	W910	2 20
" "	18	"	"	2 40
" "	19	"	"	2 50

Knife Heads—	616	Used on No. 4 and Big 4 with hook pitman	30
	K 50	Replaced by K212	30
	K 212	For No. 4 and Big 4, has ball head	30
	W910	For No. 2, 5 and 6 mowers	30
Guards—	W623½	Used on No. 2, 5 and 6	25
	W628	For No. 4 and Big 4	25
	K 72	" " " " for 1893	25
Guard plates—	W502	For W623½	5
	179	For 628	5
	K 224	For K72	5
Smooth Sections—	831	3x3, to 1892	5
	K 223	" 1893	5
	W 5	$3\frac{3}{16}$x$3\frac{1}{2}$	5
Blank Section—		For K212	10
Guard Bolts—		Give number of guard ..... per doz	50
Pitman Boxes—	W 7	For No. 2, 4, 5 and 6	75
	K52 and 53, for No. 4 and Big 4		75

VICTOR MOWER

Smooth Knives

Name.	No. of Section.	Size of Section.	No. of Head.	Retail Price.
Victor B	16	3x2$\frac{15}{16}$	B	$2 50
"	18	"	"	2 65
"	20	"	"	2 85
Victor C	16	3x3	No number	2 50
"	18	"	"	2 65
"	20	"	"	2 85

Knife Head--	B	For B machines	40
	No number	" C "	40
Guards—	A	" "B" "	25
	C	" C "	25
Guard Plate—		Give number of guard	5
Smooth Sections—		3x2$\frac{15}{16}$, for "B" machines	5
		3x3, " C "	5
Guard Bolts—		..... per doz	50

WOODS' MOWER

Smooth Knives

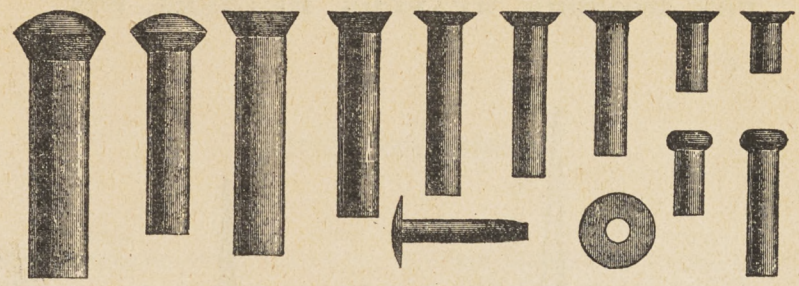
Name.	No of Section.	Size of Section.	No. of Head.	Retail Price.
Enclosed Gear, with tilt	16	3x3⅛	470	$2 15
" "	17	"	"	2 25
" "	18	"	"	2 35
" "	20	"	"	2 55
" "	24	"	"	2 05
" no tilt	16	"	1265	2 95
" "	17	"	"	2 10
" "	18	"	"	2 20
" "	20	"	"	2 30
" 1891	17	"	1680	2 05
" "	18	"	"	2 15
" "	20	"	"	2 35
" "	24	"	"	2 75
Tubular Steel	17	3x2⅝	1810	2 05
"	18	"	"	2 15
"	20	"	"	2 35
"	24	"	"	2 75

Name.			Price.
Knife Heads—	470	For Enclosed Gear, 1887, 1889, 1890 and 1892	$0 40
"	1265	" " without tilt	25
"	1680	" " with tilt, 1891 only	30
"	1810	For Tubular Steel	30
Guards—	A	For Enclosed Gear, 1883	25
"	3	" " 1879 to 1883	25
"	377	For Wood Frame Mower	25
"	638	" Iron " " 1874	25
"	P	" Tubular mower, 1891	25
Guard Plates—		Give number of guard	5
Smooth Sections—	3x2⅝	Used till 1878, also used on Tubular	5
"	3x3⅛	" since 1878	5
Guard Bolts—		Give size ..... per doz.	50
Pitman Boxes—	3415	For Enclosed Gear Mower	35
"	291½	" " "	75
"	1785 or 1732	For Tubular Steel Mower	35

HEADER KNIVES

Name.	No. of Section.	Size of Section.	Description.	Retail Price.
Haines'	32	4x2 1⅜	End drive, Sections, bottom of rod	$5 25
"	38	"	" " " " "	5 85
"	32	"	Center " " " "	4 80
"	38	"	" " " " "	5 65
Case	32	"	End " " " "	5 25
"	38	"	" " " " "	5 85
"	32	"	Center " " top "	4 80
"	38	"	" " " " "	5 65
"	44	"	" " " " "	6 30
Benicia	32	"	" " " bottom "	4 80
"	38	"	" " " " "	5 65
"	44	"	" " " " "	6 30
"	32	"	" " " top "	4 80
"	38	"	" " " " "	5 65
"	44	"	" " " " "	6 30
Benicia Improved	44	3x2¾	" " " " "	5 35
" "	52	"	" " " " "	6 30
" "	60	"	" " " " "	7 30
" "	68	"	" " " " "	8 35
Hodges'	32	4x2⅞	" " " " "	6 40
"	38	"	" " " " "	7 30
"	48	"	" " " " "	8 65
Randolph	47	"	" " " bottom "	5 90
Cummings' or Tiger	36	4x2½	" " " top "	6 05
" "	42	"	" " " " "	7 25
Holt's	80	4x2⅞	" " " " "	9 80

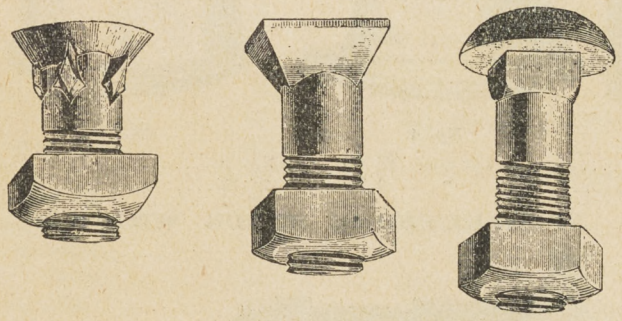
SECTION AND GUARD RIVETS, ETC.



Packed in One Pound Boxes

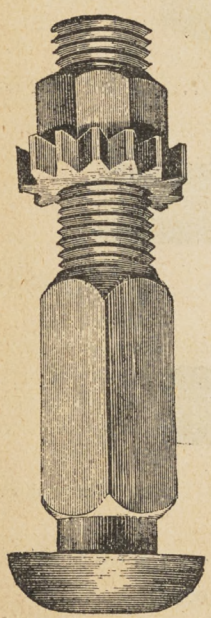
Section	Rivets.. $\frac{3}{8}$, $\frac{7}{16}$, $\frac{15}{32}$, $\frac{1}{2}$, $\frac{5}{8}$ in. No. 6; $\frac{1}{2}$, $\frac{5}{8}$ No. 5	per lb.	$0 15
Knife Head	" .. $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, 1 " " 6; $\frac{3}{4}$, $\frac{7}{8}$ " 5	"	15
Guard Plate	" ..$1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ " " 6; $1\frac{1}{8}$, $1\frac{1}{4}$ " 5	"	15
Guard	"	"	20
Draper	" ..$\frac{15}{16}$ No. 8, with burrs, tinned or coppered	"	40
Feeder	" ..$1\frac{3}{8}$ " 6, $1\frac{1}{2}$ No. 6, with burrs	"	25

GUARD BOLTS



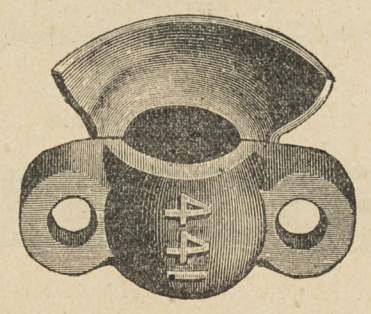
Guard Bolts, all sizes ..... per doz. $0 50

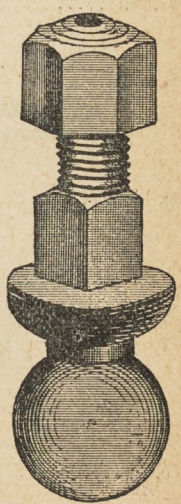
When ordering, give size of bolt, name and number of guard.



PITMA BOLTS AND BOXES

All Styles

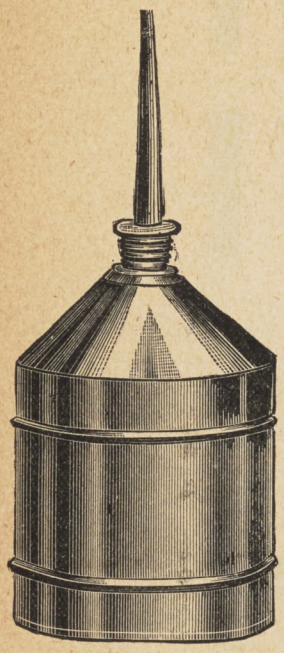




For Prices see Special List of Mower Parts.

TOOL BOX SUPPLIES

FOR MOWERS, REAPERS, HEADERS, ETC.



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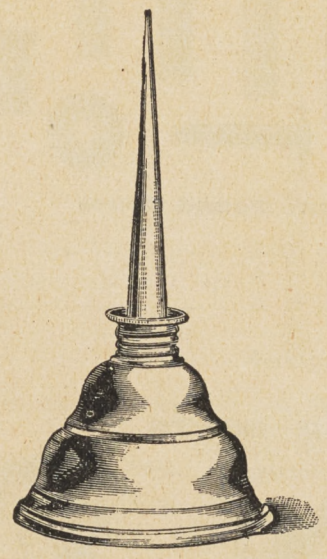

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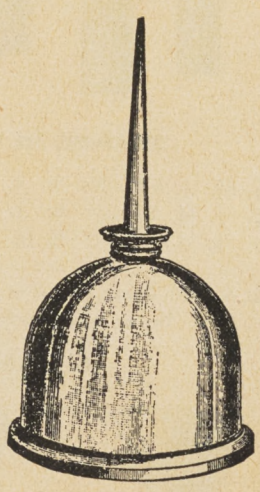

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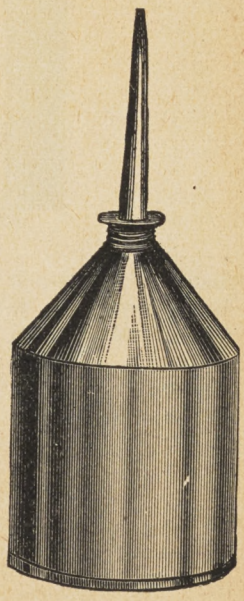
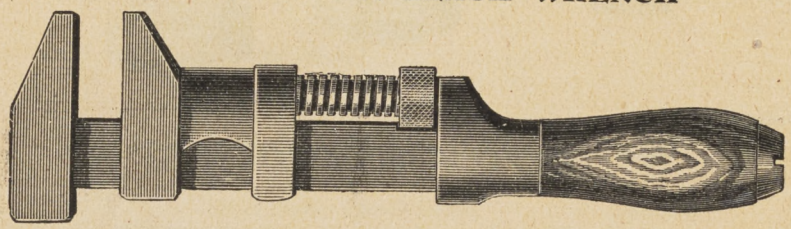


No. 20

No. 10 ..... per doz. $2 40
" 4 ..... " 2 75
No. 30 ..... per doz. $2 40
" 20 ..... " 2 40

AGRICULTURAL BLACK WRENCH



10 inch ..... per doz. $12 00

SECTION PUNCHES

Per dozen $2 00

COLD CHISELS

¾ inch ..... per doz. $4 20

RIVETING HAMMER

No. 2 ..... per doz. $6 00

HOOK FOR PULLING COTTERS OR SPRING KEYS

Each $0 15

Subject to Discount.

LION HARROW

No.	Name.	Price.
B	Spool for ball bearing box, 1895	$ 0 90
F	Space spool	65
N 3	Plunger pawl on lever, 1894	60
P 20	Hand latch " "	40
U 77	" " 1895	30
X 76	Plunger " "	60
222R	Rack for lever, 1894 use M450R	75
222L	" " " " M450L	75
422	Half of box, 1894	30
430	Front box "	60
433	Half of box "	50
443	Bearing spool "	65
M450R	Lever rack on pole	
M450L	" "	
456	Half of ball bearing box, top, 1895	75
457	" " " bottom "	60
500	Tongue and seat casting	3 50
501	Rocker for Nos. 00, 000, 1 and 5	3 50
502	" hinge for 16 inch disc	2 25
503	Scraper bar slide clips	40
504R	Outside stand top, use M504R	60
504L	" " " M504L	60
M504R	Iron outside stand top, 1895	75
M504L	" " " "	75
505	Foot treadle for scrapers, 1894	60
506R	Scraper, right hand	40
506L	" left "	40
507	Draft castings on tongue	75
508R	Stand top for Nos. 00 and 000 use M512	60
508L	" " " "	60
509	Top part draft box, 1894–95	75
510	Lower " " "	75
511	Swivel hinge in 3 inch channel for Nos. 1 and 5	50
512	Stand top for Nos. 1 and 5 use M512	50
M512	" " " 1, 3, 5, 7, 1895	50
513	Swivel hinge, 3 inch channel for Nos. 00 and 000	50
514	Washer for ¾ inch bolt on No. 515	30
515	Rocker hinge for 20 inch disk	2 25
516	Front part bearing box, 1894	60
517	Tongue and seat casting	5 00

No.	Name.	Price.
518	Rocker hinge for Nos. 3 and 7	$ 2 25
518M	Loop for connection rod	60
519	Rocker hinge on 5 inch channel	2 25
520R	Scrapers for cutaway discs, 1895	40
520L	" " " "	40
521F	Front casting on tongue for wrought slides, 1895	40
521B	Rear casting on tongue for wrought slides, 1895	40
522S	Slide casting for connecting and shifting rods, 1895	40
	Tongue for any size	3 25
	5 inch channel, per foot	90
	4 " " "	75
	3 " " "	50
	Steel discs, 16 inch regular	1 00
	" 20 "	1 25
	" 16 inch cutaway	1 50
	" 20 "	2 00
	Steel seat	1 50
	" spring for seat	2 25
	Lever complete	2 25
	" connection, right	60
	" " left	75
	Gang axle, ¾ inch square, and nut for Nos. 00 and 000	1 00
	Gang axle, ¾ inch square, and nut for Nos. 1 and 5	1 50
	Gang axle, ¾ inch square, and nut for Nos. 3 and 7	1 75
	Steel stand for 16 inch disc	75
	" " 20 " "	75
	Brace, draft, rod, right	65
	" " " left	65
	Steel tongue strap, for 2 horse hitch	25
	" " " 3 and 4 horse hitch	35
	" brace for evener bolt on 3 horse	30
	" scraper bar	60
	Coil spring in mall plunger No. x76	15
	" " on old plunger No. 3N	15
	Flat coil spring for scraper bar	30

EUREKA POTATO DIGGER

No.	Name.	Price.
1	Axle arm	$ 2 00
1A	Spur pinion	1 75
2	Front axle roller box	1 00
2A	Box for driving shaft	50
4	Lever comb and roller box	1 50
4A	Cap for No. 2A box	30
5	Growser	1 00
7	"	1 00
8	Sprocket idler, 7 tooth	1 00
12	Main drive wheel	10 00
15	Spring pawl, R. H	75
17	" L. H	75
30	Driving sprocket, 10 tooth	1 50
35	Main axle cap	10
131P	Flanged idler roller	35

Name.	Price.
Steel nose or knife	$ 4 00
Main drop axle	4 00
Front axle roller	2 00
Counter shaft	3 50
Front wheel	4 50
" axle	1 00
Seat	1 50
" spring	1 00
Spur gear and clutch hub, R. H	4 50
" " " L. H	4 50
Pole, complete	4 50
Doubletrees	2 50
Neckyoke	1 50
Front head	2 00

HOPKINS CULTIVATOR

No.	Name.	Price.
2	Collar casting for swivel wheel scraper	$ 1 50
3	Bevel washer	25
4	Casting for swivel wheel	1 00
5	Lever casting	1 25
7	Cap for crank axle	25
8	" "	25
L 8	Left hand arm and axle	1 75
L 9	Right " " "	1 75
10	Collar	40
11	Right hand ratchet plate	1 25
12	Left " "	1 25

Name.	Price.
Large wheel, R. or L	$ 4 00
Small swivel wheel	1 50
Right hand ratchet plate	1 25
Left " "	1 25
Right hand lever and spring, wrot, complete	2 00
Left " " " " "	2 00
Wrot ratchet comb for long lever	1 50
" standard for swivel wheel	2 50
Axle washer	10
Wrot standard and brace	3 00
Blades, only	1 00